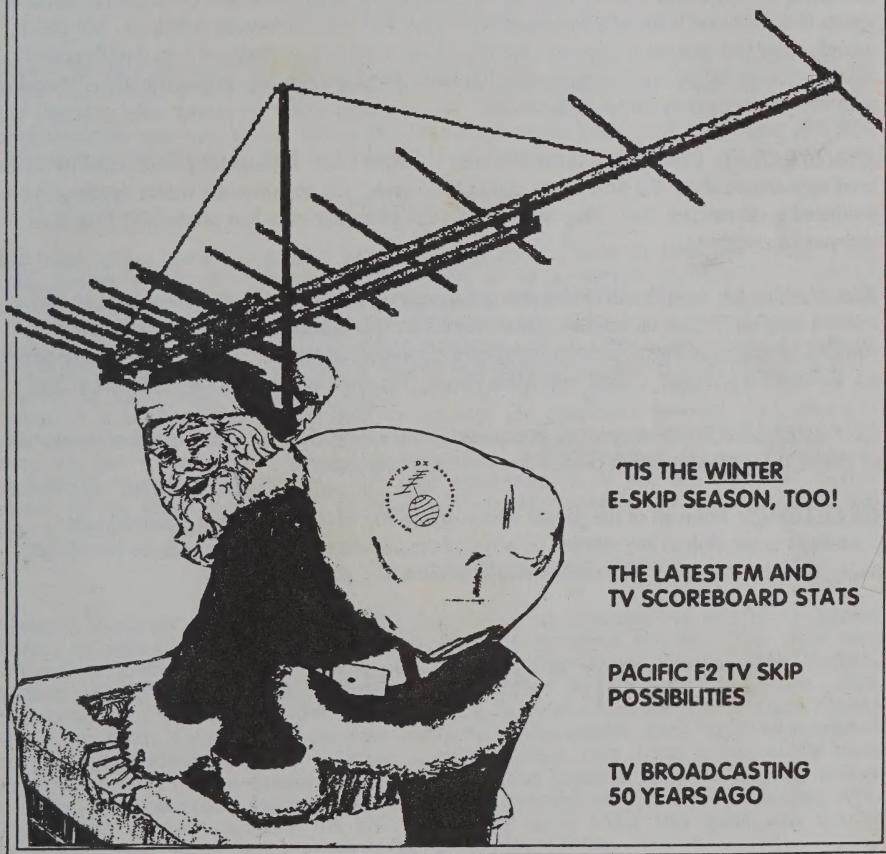
Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

DECEMBER 1998

Season's Greetings!



'TIS THE WINTER E-SKIP SEASON, TOO!

THE LATEST FM AND TV SCOREBOARD STATS

PACIFIC F2 TV SKIP POSSIBILITIES

TV BROADCASTING 50 YEARS AGO

WORLDWIDE TV-FM DX ASSOCIATION

Serving the VHF-UHF Enthusiast

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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FROM THE STAFF:

B U S Y: It may be the time of year, or the phase of the moon, or purely coincidental; but it seems like everyone is literally swamped with work and other non-dxing activities. We don't intend to use that as a total 'cop out', but it is the primary reason that your board of directors hasn't acted on the pending business that has been discussed recently in this column. Please bear with us while we get the loose ends tied up.

REMINDER #1: Don't forget the mid-winter E-skip season. It (hopefully) will make its' usual brief appearance about the time Santa makes his rounds. On occasion the winter openings have produced great catches...but...they are sporadic and generally even less predictable than their summer counterparts.

REMINDER #2: Join the WTFDA chat group every Tuesday and Friday evening at 10 PM Eastern time on IRCnet channel #wtfdxa. Topics include equipment, tracking down unID'd stations, propagation characteristics, computer resources, and more. Don't know how to access it? Software questions? Check with Mike Bugaj. His e-mail address is <ikon@netcom.com>.

CONDOLENCES: Please join us in expressing our sympathy to WTFDA member Frank Aden of Boise, ID. Frank's mother passed away in early November.

GREETINGS: From all of the people who work on the VUD each month...from all who contribute to the club in any number of ways...from all whose names appear at the top of this page...please accept very best wishes for the season.

HAPPY HOLIDAYS!

WTFDA MAILBOX

Worldwide TV-FM DX Association
P.O. Box 501, Somersville, CT 06072

Mike Bugaj Ikon@netcom.com

NEW MEMBER

William Mitchell, Columbus OH

RENEWALS

We salute the WTFDA troops renewing for another year: Jeffrey Kitsko, Dr. Joel Rosenburg, Robert Delaney, Keith Short, Steve Solomon, Karl Zuk, Eric Nagel, Steve Branch and Richard Gallison. Glad to have you all here!

MAILBOX MERCHANDISE MALL STRIKES AGAIN

A couple of months ago, if you remember, **Jim Ayers** wrote in looking for a low-band VHF trap. He got one! Jim writes "Just to let you know that the Mailbox Merchandise Mall came through again! Thanks for your listing my interest in finding another Hi-Q trap. Nate Ely had just the model I wanted at a price I couldn't refuse, and it's probably on its way to me at this moment. Yep, the Mailbox did it again!"

AND MORE FREE STUFF!

Email from **Jeff Kadet**: "While rummaging thru some old reel-to-reel tapes, I found one full of TV station sign-offs circa 1963-65 while I dxed from Needham, MA. I will copy it free for any member who sends a C-60 cassette and return shipping." Jeff also mentions that somewhere he also has a reel with a Boston FM bandscan circa 1965 plus reels with BCB bandscans from 1965-66, but so far he hasn't found them yet.

HOWDY, PARTNER!

One neat letter: "Hello everyone! I just wanted to drop a note to introduce myself. I am **Luke Steele**, a new WTFDA member. I'm thrilled to be a member, it looks like a GREAT club to me! (yep, it is -Mike). I signed up right after I finished the sample issue! I'm in high school and have only been "seriously" FM dxing since May 28th of this year! I have been a radio fan for four years though, and collect airchecks and all sorts of logo items as well as broadcast industry trade publications. If anyone is interested in sending tape of their unid dx stations to me, I may be able to figure them out. I'd be glad to help you. Also, I'd be interested in learning what you all think is the best FM component receiver, as I will be in the market for one soon. I'm amazed how well my current radio did this summer, but I do want to get a component tuner one day soon. Also interested in getting ahold of RadioWorld, Tuned In, Broadcasting, etc. type magazines, so if you are interested in that please let me know." Luke gives his email address as midwestairchecks@hotmail.com, and lives in Vinita, OK. Welcome to WTFDA!

And now this...BLAST FROM THE PAST!

Someone found our website and popped a question to me regarding the WTFDA TV Station Guide, an oldie-but-goodie publication that was last published in 1981. The crew who worked on this were **Ron LeBlanc, Morrie Goldman, Harry Hayes, John Combs, William Fahber, Mike Hollis, Robert Langridge, Steve Sprachman** and **Rick Samford.** There were two editions; the first with a blue cover and the last (the one I have) with a red cover. I mention this because I have had two requests since March wondering if the guide was still available. One person, a radio amateur, said it still is one of the most valuable Es aides he has despite the fact that the latest Guide is 17 years old. And believe it or not, I still have mine tacked to the wall in my basement next to the TV set. Each VHF channel had its own map, and the UHF maps went up to ch83. This guide was one of WTFDA's premier publications, a resource that is still missed today.

DIGITAL TV UPDATE

Some DTV info found its way onto the qth.email list lately. Here are a couple of posts from **Karl Zuk:** Early indications show that digital signals coexist with analog ones fairly well. If you are familiar with how analog and digital signals look on a spectrum analyzer, they almost fit like puzzle pieces...well, almost. As for antennas: most DTV will be on UHF... (but)...most interesting will be WBBM-DTV on channel 3 in Chicago. This will make an interesting e-skip catch. DTV signals that are below the noise floor can actually be sufficient for pictures, and RF propagation won't change. What will change is the noise and fading of analog. You'll get the signal, or you won't. An often used analogy is that it's like falling off a cliff. DTV has no ghosts. There is sophisticated error correction built into DTV receivers to compensate for fading and data error created by multipath/echoes. Weak signals or interference will produce confetti much like what you see when you lose signal on a DirectTV system. DTV is much more forgiving with weak signals. In fact, signals that are below the noise floor on a spectrum analyzer can still produce full quality pictures. One interesting anomoly that has just arised: the way the pickup patterns of antenna systems correlates to usable signals seems to be somewhat different between analog and digital. A recent installation in Manhattan proved an eight-bay bow tie array may work better than a parabolic dish for DTV in some circumstances. I'm not sure I quite understand why yet, but we're working on it.

I received another email from someone wanting information on DTV DXing and DTV propagation, which I emailed to **Doug Smith** and he was kind enough to answer the questions and send me a copy: DTV signals are certainly capable of travelling great distances. Bill Draeb in Kewaunee, WI has reported tentative reception of WBBM-DT channel 3 Chicago, about 200 miles, and Fernando Garcia in Monterrey, Mexico believes he's seen WSB-DT channel 39 Atlanta, over 1000 miles distant. But, neither dxer has a digital set...there just aren't enough DTV receivers out there to know yet. I'm 99% certain tropoduct DX will not be a problem with digital. The signals are fairly steady, and there isn't much QRM on the UHF band. DTV signals will also propagate by E-skip, but interference and fading are much worse at VHF. Because of the use of time compression, a brief fadeup of 2-3 seconds may not be enough to yield a picture. On the other hand, if a picture does come in, it will be pretty good if not perfect.

MONSTER DISHES

Here are some neat posts from the qth.net list regarding large parabolic antennas. So you think your 7" dish is huge... then read on. This is from an engineer in Quebec:

We are still running a 35' parabolic reflector for five FM channels that are 150-200 miles away. This parabolic is on top of a mountain and it is made with 50' wooden poles and the parabolic is made with 2" galvanized pipes for the frame and wire mesh for reflector. In the center is a fiberglass pole and at the end on the focal point of the parabolic is an FM antenna facing the dish. This parabolic is 25-30 years old and still running fine. The FM antenna was changed 15 years ago.

Somebody want to try that on your property? Here's another one:

In the mid 60s the parabolic-torus was also used for the long distance reception of TV signals. As I recall they were frequently used in Canada and manufactured by a Canadian firm. One such antenna was erected in about 1965 in Merced, CA, a CATV system owned and operated by G.E. Cablevision until 1986. The screen was about 90' high and 360' long. The radius of the torus was about 100'. The screen was centered on San Francisco and several antennas were placed along the locus of feed positions to cover all the Bay Area signals. The support structure consisted of steel towers with the appropriate curvature and the screen was constructed using horizontal, stretched steel wires. The screen was difficult to see and soon became dubbed the "bird catcher". It also had a tendency to "sing" during high winds. The torus was the main source of Bay Area signals for a number of years, and later served as back-up to the CARS M/W system that replaced it. It would be interesting to know if the torus is still standing at the old Merced Headend site in Cressy, CA. -That's all, folks! Everybody have a great holiday season!! See you in the WTFDA Chat Room. - Mike

TARGETS FOR F2 SKIP

Compiled by Mike Fouister ZL3TIC, Christchurch, New Zealand

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PACIFIC 45 - 55 Mhz

This is a frequency list of TV transmitter video carriers at Zero beat within the range of 45 - 55 Mhz

* The Nicam subcarrier is 300khz above the audio carrier and is aprox 200khz wide, the subcarrier is 10db below the audio carrier.

PACIFIC

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
AMERICAN SAMOA	KVZK-TV	50KW	55.24998	AH45
HAWAII	KHONTV	100KW	55.23940	BL01
COOK ISLANDS	CIBS-2#	10W	55.25000	
PHILIPPINE	SABS-CBN	100KW	55.24998	
SOUTH KOREA	AFKN-TV	70KW	55.25000	

#This is a low powered link to feed the Airport Translator

NEW ZEALAND

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
HIKURANGI	TV2*	100KW	45.26040	RF74
SKY TOWER	TV4*	500W	45.24989	RF73
TE AROHA	TV1*	100KW	45.23980	RF72
KAUKAU	TV1*	100KW	45.25000	RE78
SOUTH SHORE	TV2*	100W	45.23990	RE66
BANKS PENINSULA	TV1*	100W	45.25902	RE66
MT STUDHOLME	TV2*	10KW	45.23980	RE55
MT HEDGEHOPE	TV1*	100KW	45.25000	RE43
MURCHISON	TV2*	2KW	45.26000	RE68
NELSON	TV3*	2KW	45.26030	RE68
WHAKAPUNAKE	TV1*	10KW	45.26040	RF80
KAKA HILL	TV3*	50W	45.25000	RE67
WALLACE PEAK	TV2*	250W	45.25000	RE67
QUEENSBURY	TV2*	100W	45.26040	RE44
WINGATUI	TV2*	1W	45.28340	RE54
REEFTON	TV3*	100W	45.23700	RE57
HASTINGS	TV1*	10KW	45.26090	RF81
KAUKAU	TV4*	10KW	55.23860	RE78
MANGONUI	TV2*	100W	55.24000	RF65
OMAPERE	TV2*	10W	55.24010	RE64
PARAHAKI	TV2*	150W	55.25000	RF63
WHARITE	TV1*	100W	55.25000	RE79
KARORI WEST	TV3*	10W	55.23960	RE78
FERRY MEAD	TV3*	50W	55.26330	RE66
MT CARGILL	TV1*	100KW	55.26050	RE54
WATATARUA	TV1*	100KW	55.24000	RF73
REEFTON	TV2*	20W	55.24970	RE57
LUDLEY	TV2*	50W	55.26000	RE56
CROMWELL	TV2*	500W	55.25000	RE44
ROXBURGH	TV2*	10W	55.25980	RE44
AHURIRI VALL	TV2*	500W	55.24010	RE54

AUSTRALIA 46 MHz

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
MT ULANDRA	ABMNO	100KW	46.24010	QF35
MT MOWBULL	ANRTQO*	150KW	46.17180	QG53
BALD HILLNENO		1000W	46.26100	QF58
BUCKERIDGE LOOKOUT	ABWNO	500W	46.23960	QF53
NANNY GOAT HILL	ABSNO	25W	46.23963	QF4
MT CUMBERMELON	ABCNO	15W	46.25740	

* Stereo subcarrier is 300khz above the audio carrier, uses standard Analog system.

MALAYSIA 48 Mhz

As this list below is far from complete this is the best information at the time of publication, I would like to thank Steve VK3OT/VK3SIX and Milan OK1XH for their input.

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
KOTAKINIBALU		100KW	48.24000	
EAST MALAYSIA		100KW	48.24470	
MALABO		1KW	48.24760	
SOUTH EAST MALAYSIA			48.24960	
MALAYSIA		100KW	48.25080	
MALAYSIA	LOTS	?	48.25000	
GWERU		17.6KW	48.25800	

CHINA, USSR, ASIA 48 - 49mhz

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
HOLMS	SRT2		48.25000	
TRADE CENTREEDTV1		150KW	48.25000	LL74
TELERANIRIB2		100KW	48.25800	LM55
YEREVANATV		50KW	49.74200	LN20
DZHALIABADATV1		5KW	49.75000	LM49
KRASNOVODSK		100KW	49.75000	LN60
ASHCHABAD		15KW	49.75000	LM97
ASIATIC REGION			49.73480	
ASIATIC			49.74740	
ASIA			49.74820	
ASIA			49.74860	
ASIA			49.74960	
ASIA (WARBLY SIG)			49.74990	
KRIVOI ROG		35KW	49.75020	KN67
VELIKIJE		90KW	49.75090	KO56
VLADIVOSTOK		7KW	49.75020	
CHINESE OUTLET			49.75040	
CHINESE (PULSING)			49.75080	
SUZHOZERO		10KW	49.75800	KP63
KULDIGA		50KW	49.76040	
ROSTOV-ON-DON		35KW	49.76080	KN79
NOVOSOKOLNIKIURS		90KW	49.75780	KO56

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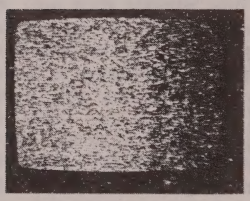
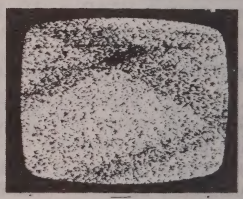
Permission granted to use this list in the VHF/UHF Digest

F_2 TV SIGNALS





FMNEWS

DECEMBER 1998

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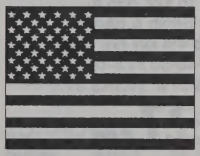
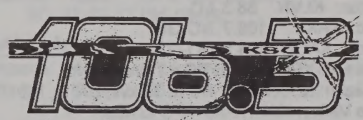
KEY TO ABBREVIATIONS:
&: satellite programming
AF: New frequency allocation **accepted for filing** for a new FM license
AFA: American Family Association
CC: **call letter** change
CL: **city of license** change
CX: a **construction permit** has been **canceled**
C1,C2,etc: a change in status to that FM license **class**
DA: **directional antenna**
DE: station has been **deleted**
FC: **format change**
GA: **granted amendment** to the table of FM allocations
GE: **granted extension** of construction permit
GX: **granted replacement** of expired permit
LC: **license to cover** filed (means station is ready to come on air)
MC: **multiple-city** legal ID
NC: **no change** yet on a reported change/permit
ND: **non-directional** antenna
NO: **not on the air**
NS: **new station** granted
NW: **new station** signs on
OSA: **one-step application** granted for change
PA: **proposed amendment** to change FM table of allocation
PC: **power change** on the air (">" for increase, "<" for decrease, when known)
PG: **power change** granted (">" for increase, "<" for decrease, when known)
QC: **frequency change** occurred
QG: **frequency change** granted
RA: silent station **returns to air**
RE: station **requests extension** on permit
RX: station **requests replacement** of expired permit
SG: **slogan change** or update
SI: **station is silent**
XA: **dismissed amendment** to FM allocations
XC: **transmitter site change** occurred
XG: **transmitter site change** granted



UNITED STATES

ALABAMA:

Birmingham: WZRR 99.5 dropped local "Mason and Dixon" for "John Boy and Billy"
Brewton: WPHG 90.9 XG: 31-18-13 / 87-02-50 LC
Butler: WKZB 93.5 FC to classic rock (&)
Cedartown: WJCK 88.3 NC to 27 kW, 1001 ft, DA, C3, RE
Chatom: WFOW 106.1 NC to 12 kW, 472', GE
Columbiana: WQEM 101.5 NO-RE
Cullman: WFMH 101.1 to change to cont. Christian Nov. 23rd (Birmingham)
E.Brewton: WGCX 95.7 NO-GX, XA for class change A – C3, CL: Navarre, FL
Eufaula: WULA 92.7 PC> 26 kW, 298', C2
Homewood: WEDA 97.3 PG to 640w, 1004 ft, NW, CHR (Birmingham)
Millbrook: WMCZ 97.1 PG< 1 kW, 790 ft.
Ozark: WQLS 103.9 FC to JRN soft AC (&)
Ozark: WAQG 91.7 NW, AFA cont. Christian
Smiths: WBFA 101.3 NW, CHR "B-101"
Troy: WZHT 105.7 inc. to 1830 ft. XC: 31-58-28 / 86-09-44



Juneau's Best Rock Mix • FM

ALASKA:

Bagdad: KBJU 89.3 CC (NS)
Fairbanks: KWLF 98.1 inc. to 764 ft, C1, XC: 64-55-20 / 147-42-55
Girdwood: KEUL 88.9 LC
Holbrook: K201ER 88.1 NS-50w: KCZO
Homer: KWVV 103.5 FC to JRN soft AC (&)
Houston: KADX 94.7 NO-RE (4th)
Juneau: KAMT 100.7 NO-RE (4th)
Juneau: KAKZ 102.7 NO-RE (4th)
King Salmon: *** 92.1 GA: add class A

ARIZONA:

Chino Valley: KAKP 103.9 LC
Eagar: KTHQ 92.5 PG< 57 kW, 1230 ft.
Gilbert: KPTY 103.9 PC> 50 kW, 492 ft.
Page: KNAD 91.7 NW, info/classical // KNAU 88.7 Flagstaff
St.Johns: KWKM 95.7 NO-RE
Tuscon: KZPT 104.1 inc. to 328 ft.

ARKANSAS:

Batesville: KBTA 99.5 PG< 3.4 kW, 426 ft, XG: 35-52-07 / 91-35-14
El Dorado: KBYB 96.1 inc. to 446 ft. XC: 33-16-16 / 92-39-17
Eudora: KAVH 101.5 NO-RE
Gould: KAFN 102.5 NO-GE

Arkansas:

Pangburn: *NS 99.1 6 kW, 328 ft.
Wilson: KAFW 103.7 GA: to 94.7 – A, CL: Turrell

CALIFORNIA:

Arnold: KBYN 95.9 PG> 980w, 807 ft. XG: 38-22-42 / 120-11-36
Bayside: KZPN 91.5 PG> 550w, 508 ft, XG: 40-47-49 / 124-02-47
Blythe: K209CY 89.7 NS-50w(v),DA: KAWZ-ID
Carlsbad: KMCX 95.7 CC (ex KMCG) "Mix 95.7"
Cedarville: K207CR 89.3 NS-75w: KVIP 98.1
Chowchilla: KSKD 93.3 FC to Christian rock // KLRD (Merced)
Corning: KCEZ 100.7 FC to oldies & talk
Fairmead: KLVY 91.1 LC
Ft.Bragg: KLLK 96.7 PG 890w, 2873 ft. class B, XC: 39-3059 / 123-05-21, CL: Willits, CA
Goleta: KKSB 106.3 CC (ex KMGQ) "Santa Barbara"
Greenfield: KSEA 107.9 NO-GX (3rd)
Happy Camp: K216EC 91.1 NS-KAWZ Idaho
Holtville: KGBA 100.1 PG> 3 kW, 328 ft. XG: 32-47-40 / 115-29-53
Johannesburg: KRAJ 100.9 CC (ex KBHM), NW, Jones AC (&) // KEDD
Kings Beach: KHWG 107.7 dec. to 2867 ft, XC: 39-18-48 / 119-52-59
King City: K213CR 91.9 NS-80w: KCZO
Livingston: KLVN 88.3 LC
Lompoc: KAKV 106.7 NO-GE
Lompoc: KAOH 104.9 NO-GX
Long Beach: KBUE 105.5 PG> 3 kW, 466 ft.
Long Beach: KLON 88.1 NC to 35 kW, DA, B, RE
Lucerne Valley: KIXA106.5 FC to rock
Newport Bch: KBCD 1031 FC to adult alt. (L.A.)
Oak View: K210CH 89.9 NS-10w(v): KTLW
Palm Springs: K240CR 95.9 NS-10w(v): KMRO 90.3
Pleasanton: KIOI-2 101.3 NS-900w(v), DA
Pt.Arena: *NS 102.3 AF
Pt.Arena: *NS 107.1 AF
Pt.Reyes Station: KWMR 90.5 CC (NS)
Ripley: K201ES 88.1 NS-10w: KEFX-ID
Rosamond: KOSS 105.5 PG> 6 kW
San Diego: KLNV 106.5 CC (ex KEBN) "La Nueva"
San Fran: KFOG 104.5 XG: 37-45-19 / 122-27-06
San Fran: KYCY 93.3 CX CP for 45 kW, 518', DA
San Jacinto: KWRP 96.1 FC to JRN standards (&)
San Luis Obispo: KPAT 88.5 NO-RX
San Rafael: KKHI 105.7 PC> 400w (v), 105' XG: 37-31-35 / 120-51-25
Santa Ana: KALI 106.3 PC> 6 kW, 302 ft, XC: 33-45-21 / 117-51-18
Santa Barbara: K218CP 91.5 NS-3w(v): KAWZ-ID
Santa Barbara: KMGQ 97.5 CC (ex KHTY)
Santa Monica: KACD 103.1 FC to adult alt. (L.A.)
Santa Ynez: KRAZ105.9 NO-GX (3rd)
Shingletown: KRDG105.3 PC> 28 kW, 1243 ft, C1, XC: 40-29-19 / 121-54-23
S.Lake Tahoe: KEAR- 106.9 NS-?? w.
Stockton: KJOY 99.3 PG> 4.8 kW, 289 ft, XC: 37-59-33 / 121-12-50
Vacaville: KUIC 95.3 PC< 460w, 2024 ft.

COLORADO:

Canon City: KTLC 89.1 CC (NS)
Colorado Sps: KTLF 90.5 PC> 13 kW (v), 2182 ft, class C, XC: 38-44-43 / 104-51-39
Dillon: K264AG 100.7 NS-250w: KRKM 106.3
Durango: KPTE 99.7 adds Bob & Sheri
Evergreen: KXPK 96.5 FC to new rock (Denver)
Glenwood Sps: KKCH 92.7 PG< 56 kW (h), 2503 ft. XC: 39-25-07 / 107-22-06
La Junta: *NS 89.1 AF
Limon: KAVD 103.1 NO-RE
Ouray: KURA 105.7 NC to 25 kW, 203 ft, XC: 38-15-59 / 107-51-07
Paonia: *** 106.5 PA: add class A
Parkdale: K220GW 91.9 NS-5w: KRCC 91.5
Pueblo: KYZX 104.5 OSA to 103.9, 1,750w., 2158', XG: 38-44-44 / 104-51-42, CL: Pueblo West, Colo.
Silverton: *NS 103.7 AF
Yuma: *** 94.5 GA: add class A
Yuma: KNEC 100.9 CC (ex KBJI), NW, to be WW1 standards (&), "Northeast Colorado"

CONNECTICUT:

Avon: W209BD 89.7 NS-40w: WGRS 91.5
Hartford: WZMX 93.7 FC to classic rock "The Point"
Huntington: W220CF 91.9 NS-7w,DA, WGRS
New Haven: WPLR 99.1 PC> 16 kW, 836 ft.
Norwalk: WEFX 95.9 adds Smith & Barber
Storrs: WHUS 91.7 NC to 4.4 kW (v), 1028w (h), 492', DA, B1, XC: 41-48-50 / 72-15-36
W.Hartford: W220CH 91.5 NS-37w: WGRS 91.5

MIX 93.7 FM

FLORIDA:

Carabelle: WOCY 106.5 NO-GE
Cedar Key: WRGO 102.7 adds JRN oldies (&)
Cross City: *** 97.7 PA: add class A
Crystal River: WAQV 90.9 LC, PG> 3.7 kW, XG: 29-01-54 / 82-27-08
Florida City: WMFL 88.5 LC
Ft.Pierce: W213AX 107.5 NS-11w(v): WPCS
Ft.Pierce: WLDI 95.5 CC (ex WXFG) "Wild 95.5"
Gifford: WAVW 94.7 CC (ex WBBE) "Wave 94.7"
Havana: WFLV 104.9 adds Bob & Sheri
High Springs: WRKG 104.9 adds Lex & Terry
Hobe Sound: WOLL 105.5 CC (ex WTPX) "Cool Oldies"
Holly Hill: WANX 88.1 NO-GE
Holmes Beach: WLLD 98.7 CX CP for 3 kW
Indiantown: WPBZ 103.1 PG> 90 kW, C1
Jensen Bch: WMBX 102.3 OSA for C1, 100 kW
Key Colony Bch: WKYZ 101.3 CC (ex WKKB)
Key Colony Bch: WKKB 105.5 PG> 50 kW, 276 ft, XG: 24-41-30 / 81-06-31
Key Largo: WMKL 91.7 LC
La Crosse: WWFX 99.5 CC (ex WBEQ)
Marathon: WKTS 97.7 NO-GE
Melbourne: WFIT 89.5 PC> 4.6 kW, 148', DA
Miami: WFLC 97.3 XG: 25-58-03 / 80-12-34
Murdock: WHHD 89.9 CC (NS)
Newberry: WBXY 100.5 CC (ex WNFQ), FC to hot AC "Star 100.5" (Gainesville)

Florida:

Panama City: WLHR 107.9 CC (ex WDRK) "Lite 107.9"
Panama City: WJTF 89.9 LC
Trenton: WDJY 101.7 adds WW1 country (&)
Vero Beach: WBBE 101.7 CC (ex WAVW) "B101.7"
Vero Beach: WGYL 93.7 FC to ABC a/c (&)

GEORGIA:

WSB-99fm

Atlanta: WSB 98.5 increase to 1027' XG: 33-45-33 / 84-20-05
Cordele: WKKN 98.3 PC> 4.2 kW, 279 ft, XC: 31-55-45 / 83-46-20
Dublin: WAWH 88.3 NO-GE
Jasper: *NS 88.3 100w, 3 ft., DA
Jesup: WIFO 105.5 NC to 25 kW, 308', DA, C3
La Grange: *NS 91.9 AF
Lakeland: WHFE 105.9 NC to 19.5 kW, 374', GX
Milledgeville: WLRR 100.7 PA: class A to C3, CL: Social Circle, GA
Mt.Vernon: WYUM 101.7 NW, CD Country (&) SG "Sweet Onion Country"
Sparta: WPMA 102.7 CC (NS)
Springfield: WSIS 103.9 CC (ex WSGF)
Toccoa: W220CK 91.9 NS-10w: WLFJ

HAWAII:

Hilo: KCIF 90.3 NW, cont. Christian
Hilo: KANO 91.1 NO-RE
Waipahu: KKHN 102.7 CC (ex KHUL) "Double K Country"

IDAHO:

Burley: KBSY 88.5 NW, news/talk // KBSX
Burley: KZDX 99.9 FC to modern AC "Buzz"
Hailey: *** 106.7 GA: add class C
Hayden: KHTQ 94.5 FC to rock (Spokane)
Rexburg: KRIC 100.5 PC> 100 kW, 692 ft.
Shelley: *NS 107.9 NO-GX
Twin Falls: *** 101.7 GA: add class A
Wallace: KQWK 97.5 NO-GE

ILLINOIS:

Cairo: *NS 88.5 1.5 kW (v), 321 ft. (AFA) (transmitter will be in Kentucky)
Carbondale: WCIL 101.5 inc. to 387 ft.
Carlinville: WOLG 91.9 CC (ex WCNL) "Our Lady of Guadalupe"
Charleston: W213AW 90.5 NS-??w: KVCX-SD
Chicago: WRCX 103.5 FC to rhythmic oldies
Decatur: WYDS 93.1 FC to CHR "The Party"
DeKalb: WDKB 94.9 XC: 41-56-57 / 88-53-44
Freeport: WNIE 89.1 NO-RE (2nd)
Joliet: WJTW 93.5 inc. to 276 ft. XC: 41-32-06 / 88-03-15
Kankakee: WAWF 88.3 NO-RX
LaSalle: W212BE 90.3 NS-10w(v),DA: WPCS-FL
LaSalle: WNIW 91.3 NO-RE (2nd)
Ramsey: WJLY 93.3 PG< 3 kW, 466 ft, XG: 39-08-06 / 89-06-02
St.Joseph: WGNJ 89.3 NO-GE (5th)
Sterling: WNIQ 91.5 NO-GE

INDIANA:

Alexandria: WAXT 96.7 NC to 2.5 kW, 351', GX (2nd)
Clarksville: WQSH 93.1 NW, modern AC "She 93.1" (Louisville)
Indianapolis: WFBQ 94.7 PC> 58 kW, 804 ft.
Rochester: W211BC 90.1 NS-170w: WLAB 88.3
Veedersburg: *NS 88.5 AF
Vincennes: WATI 89.9 NW, AFA cont. Christian PG> 3 kW, 367 ft, XG: 38-41-54 / 87-26-33
W.Terre Haute: WWVR 105.5 FC to classic rock "The River"
Winamac: WFRI 100.1 no DA, RE (2nd)

IOWA:

Burlington: KORB 93.5 inc. to 318 ft.
Des Moines: KIOA 93.3 PA: class C to C1
Des Moines: KLNQ 89.3 CC (NS)
Emmetsburg: KEMB 100.1 FC to CHR
Keokuk: KRNQ 96.3 NO-RE (5th)
Keokuk: KMDY 90.9 CC (ex KBJK) "Moody Bible"
Keokuk: KOKX 95.3 NC to 100 kW, 794', C1, RE (3rd)
New London: *NS 97.3 6 kW, 108 ft.
Northwood: KYTC 102.7 OSA to C3, 25 kW, 308'
Osceola: KJJC 106.9 GA: to 107.1 – C2
Ottumwa: KTWA 92.7 GA: from C3 to C2
Sibley: KAJQ 100.3 NO-GX
Spencer: KICD 107.7 dec. to 285 ft., XC: 43-09-57 / 95-08-46

KANSAS:

Emporia: KAWV 99.5 NW, soft AC "Wave" (&)
Ottawa: KCHZ 95.7 PG> 100 kW, 981 ft, DA, XG: 39-00-45 / 95-01-46
Plainville: KFIX 96.9 NW, classic rock
Salina: KZBZ 104.9 adds JRN soft AC (&)

KENTUCKY:

Beaver Dam: WKLX 100.7 NO-RE (4th)
Carlisle: WSTL 92.1 QC from 100.7, FC to MGS cont. Christian (&) (Lexington), now C3, 25 kW, 308', DA, XC: 38-14-23 / 84-11-41, CC (ex WVCM), SG "Star 92"
Cave City: WPTQ 103.7 CC (ex WHHT), FC to classic rock (Bowling Green), "The Point"
Georgetown: WXZZ 103.3 PC> 6 kW, 328' XC: 38-03-56 / 84-29-13
Horse Cave: WHHT 106.7 CC (ex WXPC) FC to WW1 a/c (&) "Mix"
Irvine: WCYO 100.7 QC from 106.1, PC< 9.2 kW, 505', XC: 37-39-40 / 84-08-55
Louisville: WFPL 89.3 PC< 21 kW, 774', class B, XC: 38-21-55 / 85-50-24
Louisville: WFPK 91.9 PC< 6.8 kW, 774 ft, class B, XC: 38-21-55 / 85-50-24
Madisonville: WKTG 93.9 PC> 35 kW, 584'
Middlesboro: *NS 90.1 2.5 kW (v), 590', DA

94.5 KHTQ FM spokane • coeur d'alene

Kentucky:

Midway: WAHY 107.9 NW, urban AC "V108", then FC to urban // WTKT "The Beat" (Lexington), adds Tom Joyner
Morehead: WMOR 106.1 QC from 92.1, now C3, PC> 8 kW, 348', XC: 38-10-56 / 83-26-56
Reidland: WZZL 106.7 PG> 4.7 kW, 371 ft, XG: ??-37-05 / 88-37-19
Somerset: WTHL 90.5 PG> 50 kW, DA, C1
Stamping Ground: WKYI 96.1 SI
Valley Stn: WRVI 105.9 PC< 1.9 kW, 413 ft. XC: 38-08-13 / 85-56-06
Versailles: WJMM 106.3 PG> 3.7 kW, 420 ft, XG: 38-02-51 / 84-29-57
Wilmore: WVRB 95.3 QC from 105.9, XC: 37-45-55 / 84-38-06

LOUISIANA:

Atlanta: *NS 106.5 6 kW, 328 ft.
Basile: KQIS 102.1 NC to 76 kW, 1105 ft, C1, XC: 30-02-19 / 92-22-15
Blanchard: KRVQ 102.1 NW, oldies "River 102" CC (NS) (Shreveport)
Lake Arthur: KRAW 107.5 NW country "Crawfish"
Leesville: KJAE 92.7 PA: to 93.5 – C3
Maurice: KFXZ 106.3 FC to black gospel
Natchitoches: KZBL 100.7 QC from 95.9, PC> 25 kW, 246 ft, XC: 31-48-17 / 93-01-27
New Iberia: KOOJ 93.7 CC (ex KTBT), FC to oldies "Kool 93.7" (Baton Rouge)
Ruston: KBDJ 99.5 OSA to 99.3 – C3, PG> 15.5 kW, 328 ft, ND

MAINE:

Searsport: WBYA 101.7 FC to talk // WVOM
Thomaston: WBQX 106.9 CC (ex WAVX), FC to classical // WBQQ 99.3 (Augusta)
Winter Harbor: WAKN 97.7 RX denied (station must come on by March 9, 1999

MARYLAND:

Berlin: WOCQ 103.9 PC> 6 kW
Cambridge: WFBR 94.3 NO-RE (7th)
Morningside: WPGC 95.5 dec. to 485 ft., XG: 38-51-49 / 76-54-40

MASSACHUSETTS:

Athol: WCAT 99.9 CX CP for 2250w, 443', XC
Waltham: WCRB 102.5 PG< 8.1 kW, 1151 ft, XG: 42-18-27 / 71-13-27
Wilmington: WRQR 105.7 QC from 104.5, now class B, PC> 22.5 kW (v), 735 ft, DA

MICHIGAN:

Baraga: WBUM 104.3 LC
Benton Harbor: WYKL 94.9 NW, oldies "Kool-FM"
Crystal Falls: *** 96.7 PA: add class A
Gaylord: WMJZ 95.3 GA: to 101.5 – A
Grand Rapids: WAYG 89.9 CC (ex WBYW), FC to WAY c. Christian (&) "Way FM Grand Rapids"
Ironwood: *NS 88.1 AF (VCY America)
Lapeer: WRXF 103.1 CC (ex WWGZ) "Radio X"
Manistee: WXYQ 101.5 inc. to 262 ft., XC: 44-12-41 / 86-17-53
Midland: W220CG 91.9 NS-12w(v): WPCS-FL
Negaunee: WKQS 101.9 OSA to C2, 12 kW, NO-RE (10th)
Pentwater: WMOM 103.1 NO-GE
Portage: WRKR 107.7 XC: 42-07-44 / 85-20-22
Rogers City: WVXA 96.7 XG: 45-21-02 / 83-46-58
Traverse City: *NS 91.5 4427w, 708', DA

MINNESOTA:

Alexandria: KIKV 100.7 adds Jones country (&)
Caldeonia: KSFF 94.7 CC (ex KHTW) "Soft Hits"
Golden Valley: K214DF 90.7 NS-10w: KLOV-FM
Grand Marais: WTIP 90.7 NW, variety // KUMD
Hutchinson: KKJR 107.1 PG to 106.9 – C3, 7 kW, 554', XG: 45-02-43 / 94-33-32, CL: Dassel, MN
Madison: KLQP 92.1 PC> 25 kW, class C3
Minneapolis: KBEM 88.5 PC> 2.9 kW, 479 ft, DA, XC: 44-59-44 / 93-11-18
Moose Lake: KBFH 107.1 NO-RE (3rd)
Olivia: KOLV 100.1 adds ABC Real CW (&)
Pillager: KBKK 95.9 decrease to 239 ft, XG: 46-15-03 / 94-19-30
Rochester: KMSE 88.7 NW, classical // WCAL
Spring Valley: KQOL 104.3 CC (ex KVGO) "Kool 104"
Starbuck: KAYF 97.3 XG: 45-31-50 / 95-32-51
Superior: KRBR 102.5 adds Bob & Tom
Worthington: KITN 93.5 FC to country "Kitten"
Worthington: KWOA 95.1 adds ABC a/c (&)

MISSISSIPPI:

Belzoni: WGNG 106.3 GA: from class A to class C3 - Tchula, MS
Bude: *NS 104.3 AF
Clarksdale: WKDJ 96.5 increases to 328 ft.
Columbus: W213AY 91.7 NS-10w(v), DA: WPCS-FL
Houston: WJZB 88.7 NC to 88.9, 7 kW, GE
Jackson: WKXS 96.3 CC (ex WJDX) "Kix 96"
Kosciusko: WZKR 103.3 PA: CL: Decatur, MS
McComb: WAQL 90.5 NO-GE (2nd), PG< 2,750 watts, 390', XG: 31-16-50 / 90-27-05
Tupelo: WZLQ 98.5 FC to hot AC

MISSOURI:

Bolivar: K212DA 90.3 NS-13w: KWND 88.3
Bonne Terre: KDBB 104.3 FC to adult contemp.
Campbell: KFEB 107.5 NW, country
Cassville: KOMC 100.1 NC to 36 kW, 577', GE
Cedar Hill: KNLH 89.5 LC
DeSoto: KDJR 100.1 FC to CNN Headline news
Gordonville: KCGQ 99.3 adds Bob & Tom
Knob Noster: KCVQ 89.7 LC
LaMonte: KPOW 97.1 NW, classic rock "K-Power"
Malden: KMAL 92.9 adds WW1 a/c (&)
Marble Hill: KBGJ 97.3 NO-RE
Mt.Vernon: KHTO 106.7 PG<17.5 kW, 394 ft.
Rolla: KDAA 97.5 FC to Jones soft AC (&)
Salem: KKID 95.9 FC to clas. rock "Outlaw"
Scott City: KGKS 93.9 NW, modern AC "Kiss"
Southwest City: KWMQ 100.3 PC> 6 kW
Sunrise Beach: KCRL 90.3 NW, religion "Life"
Trenton: KTTN 92.3 FC to JRN classic C/W
Versailles: KTKS 95.1 PG> 17 kW, 407', C3
Wheeling: KULH 105.9 NO-GE

MONTANA:

Billings: KCMT 96.3 NW, country "Thunder"
Billings: KBEX 105.1 NO-RX (2nd)
Boulder: *** 107.7 GA: add class A
Bozeman: K212DC 91.1 NS-170w: KLOV-FM
Cut Bank: *NS 102.7 NO-RX
Ennis: *NS 98.7 NO-GE
Stevensville: *NS 104.5 GA: add class A
Whitefish: *NS 105.1 GA: add class A
Wolf Point: KVCK 92.7 FC to oldies

NEBRASKA:

Bennington: KTNP 93.3 PA: from class A to C3
Hastings: *NS 90.9 AF (AFA)
Humboldt: *** 96.7 GA: add class A
Kimball: KBFZ 100.1 LC
Lincoln: KUCV 90.9 QG to 91.1, 20 kW, XG: 40-31-06 / 96-46-06
McCook: KSWN 93.9 NO-GE, adds Steve & DC, LC
Plattsmouth: KOTD 106.9 GA: from class A to C3
Wayne: KTCH 104.9 FC to oldies (&), change expected on November 24th

NEVADA:

Crescent City: K218CS 91.5 NS-93w(v): KUNR
Elko: *** 94.5 GA: add class C3
Ely: KHIX 96.7 PA: to class C – Carlin,NV
Sun Valley: KXXL 93.7 NO-RE (2nd), LC

NEW JERSEY:

East Orange: WFMU 91.1 PC< 1250 w, 515 ft, XC: 40-47-19 / 74-15-20
Manahawkin: WNJM 89.9 NO-RE, PG> 200w (v), 259 ft, XG: 39-41-57 / 74-14-05
Ocean City: WTKU 98.3 PC> 6 kW, DA

NEW MEXICO:

Bosque Farms: KEXT 104.7 dec. to 843 ft, XC: 34-46-12 / 106-51-42
Carlsbad: KBFV 106.1 PG 39 kW, 558 ft, XG: 32-34-22 / 104-05-32
Conchas: K202CX 88.3 NS-41w(v): KENW 89.5
Corrales: KSVA 95.1 PC> 100 kW, 433 ft, C1, XC: 35-04-04 / 106-46-46
Ft.Sumner: K219DP 91.7 NS-120w(v): KENW 89.5
Gallup: KKOR 94.5 dec. to 1246 ft., XC: 35-36-22 / 108-41-26
Grants: KTHR 103.7 inc. to 1358 ft.
Las Vegas: *** 101.5 GA: add class A
Las Vegas: *** 102.9 GA: add class A
Questa: *** 103.7 GA: add class C1
Santa Fe: KLSK 104.1 FC to clas. hits "Eagle"
Taos: KHYF 99.9 NO-RE (3rd)

104.1
KLSK

NEW YORK:

Babylon: WBAB 102.3 PG> 6 kW
Fenner: W210BH 89.9 NS-10w: WXXC
Fredonia: W203AW 88.5 NS-10w: WCOT 90.9
Glens Falls: WLJH 90.9 NO-GE
Hague: WWFY 93.7 GA: from class A to C3, CL: Addison, VT
Hornell: WSQA 88.7 NO-RE
Johnstown: WSRD 104.9 PG< 570w, 1050 ft, DA, CL: Altamont, NY, XG: 42-37-00 / 74-00-45
L.Ronkonkoma: WSHR 91.9 NC to 6 kW (cir), GE
Lowville: W201CB 88.1 NS-10: WSLJ
Mexico: WVOQ 103.9 CC (ex WNDR)
Mt.Kisco: W205BM 88.9 NS-190w: WMNR 88.1
Penn Yan: W220CJ 91.9 NS-10w: WCIY 88.9
Riverhead: WRCN 103.9 FC to classic hits
Saugerties: *NS 92.9 dec. to 289 ft., DA XG: 41-59-20 / 74-01-08
Stillwater: WQAR 101.3 CC (ex WJKE), FC to a/c "Star 101" (Albany)
Syracuse: WNTQ 93.1 XG: 42-56-48 / 76-01-28
Watertown: WCIZ 93.5 FC to classic rock, expect a move to 93.3 soon
Westport: WMEX 102.5 PG> 650w, 295 ft, XG: 44-13-14 / 73-24-35
Wethersfield Twp: WNUC 107.7 PG> 18 kW, DA

NORTH CAROLINA:

Atlantic Bch: *NS 91.5 dec. to 384 ft.
Hendersonville: WMYI 102.5 PC< 19 kW, 1811 ft, XC: 35-13-20 / 82-32-58
Raleigh: WCPE 89.7 inc. to 1187 ft, DA, C
Roanoke Rapids: WXQD 91.1 CC (NS)
St.Pauls: WUKS 107.7 PC< 5.2 kW, 656 ft, class C3, XC: 34-52-17 / 79-08-49
Wilmington: *NS 89.7 6 kW, 144', DA
Wilmington: WMNX 97.3 adds Doug Banks, inc. to 882 ft., XC: 34-03-00 / 78-04-56
Wilmington: WGNI 102.7 adds Delilah
Wilmington: WHQR 91.3 PC> 13.5 kW, 1932', DA

NORTH DAKOTA:

Beulah: KAVG 97.9 NO-RE
Cavalier: KAOC 105.1 NW, country (&)
Devils Lake: K210CJ 89.9 NS-250w: WAFR-MS
Dickinson: KCAD 99.1 PC> 100 kW, 794 ft.
Fargo: KDSU 91.9 FC to news/classical/jazz
Fargo: *NS 89.5 AF
Grafton: KXPO 100.9 FC to ABC hot AC (&)
Grand Forks: KUND 89.3 FC to news/classical/jazz
Hettinger: *NS 93.5 NO-RE
Mayville: KMAV 105.5 PG> 25 kW, 328 ft, C3, XG: 47-29-57 / 97-21-03
Tioga: *NS 104.1 100 kW, 590 ft.
Walhalla: KAUJ 106.7 LC
Williston: *NS 98.5 100 kW, 794 ft.

OHIO:

Akron: WONE 97.5 XG: 41-03-53 / 83-34-59
Cleveland: WDOK 102.1 XG: 41-22-58 / 81-42-07
Gahanna: WCVO 104.9 PC> 6 kW, 308 ft.
Greenfield: WVNU 97.5 PC< 2.3 kW< 538 ft.
Lancaster: WJZA 103.5 PC< 4 kW, 403 ft, XC: 39-51-52 / 82-38-19
New Lexington: WWJM 105.9 QC from 106.3
Shelby: WAUI 88.3 NO-RE
Westerville: WEGE 103.9 CC (ex WAXV) "Eagle"

Ohio:

Willard: WHHA 96.9 CC (NS)

OKLAHOMA:

Eufaula: KCES 102.3 NC to 102.5 – C3, 10.5 kW (cir), 505', XC, RE (2nd)
Fairview: K203CS 88.5 NS-48w: KJIL 99.1 KS
Lawton: KMGZ 95.3 CX CP for 6 kW, 302 ft.
Lawton: KLAW 101.5 GA: to 101.3 – C1
McAlester: KMCO 101.3 inc. to 617 ft.
Madill: KMAD 102.3 PA: to 102.5 – C2, CL: Whitesboro, TX
Magnum: KHIM 97.7 LC
Perry: KOSB 105.1 CC (ex KVCS) "B105"
Snyder: *NS 100.3 NO-GX
Soper: *** 96.5 GA: add class A (replaces 102.7 – A)
Stillwater: KSPI 93.7 adds JRN adult alt. (&)
Sulphur: KIXO 100.9 QG to 106.1 – A, PC< 2650 watts, 499ft, XC: 34-39-03 / 96-59-24
Tishomingo: KAZC 88.3 LC
Woodward: KMPQ 95.9 NO-RE

OREGON:

Cave Junct: K219CL 91.7 NS-10w(v): KAWZ-ID
Cherryville: KLVP 88.7 PC> 3.7 kW (v), 1w (h), 1745 ft., C1, XC: 45-20-01 / 121-42-45
Depoe Bay: KDEP105.5 NO-GE (2nd)
Hood River: K216EB 91.1 NS-5w: KLOV-FM
Klamath Falls: K218CQ 91.5 NS-50w: KLVN
Langlois: K215CS 90.9 NS-10w: KAWZ-ID
Manzanita: *** 94.9 PA: add class A
Sisters: *NS 89.3 AF

PENNSYLVANIA:

Bellwood: WALY 103.9 PG> 380 w, 918 ft, XG: 40-34-01 / 78-26-32
Hollidaysburg: WMXV 104.9 PC> 730w, 905 ft.
Lancaster: WROZ 101.3 PC< 6.7 kW, 1309'
Mansfield: WNBQ 92.3 LC
Phillipsburg: WUBZ105.9 PG< 710 w, 951 ft, DA, XG: 40-47-34 / 78-10-29
Ridgebury: WREQ 96.9 CC (ex WMKB), RA with MGS – cont. Christian (&) (Elmira, NY)
Warren: W218BF 91.5 NS-13w: WCOT 90.9 NY
Wilkes-Barre: W216BG 91.1 NS-9w(v): WPCS-FL
Youngsville: WTMV 88.5 100w, -335 ft. CC (NS)

SOUTH CAROLINA:

Atlantic Bch: WSEA 100.3 NW, classic rock "Pirate" (Myrtle Beach)
Charleston: WALC 100.5 CC (ex WLLC) "Alice"
Orangeburg: WKSO 103.9 NC to 9.2 kW, GX

SOUTH DAKOTA:

Brandon: *** 100.1 GA: add class A
Dell Rapids: KSOB 95.7 LC
Redfield: KNBZ 97.7 OSA to C1, 100 kW, 561 ft, XG: 45-12-30 / 98-40-20
Wessington Sps: KGGK 98.3 inc. to 899', XG: 43-45-18 / 98-24-39

TENNESSEE:

Henderson: WHHM 107.7 PC> 25 kW, 308', C3
Memphis: WYPL 89.3 NC to 100 kW, 1302 ft, class C, GE (2nd)
Shelbyville: WBIA 88.3 CC (NS)
Tullahoma: WAUT 88.5 NW, AFA cont. Christian (&)

TEXAS:

Beaumont: KYKR 95.1 NC to 1069', class C, XC, RX
Beaumont: KTCX 102.5 SG "Magic 102.5"
Benavides: KXTM 107.7 NO-RX (5th)
Big Sandy: KBAU 90.7 RA with NPR, smooth jazz (not sure whose running this, as their university, Ambassador, closed in 1997)
Brenham: KULF 94.1 NC to 25 kW,C3, GE
Brownfield: *NS 88.5 LC
Brownsville: KBNR 88.3 NC to 5.5 kW, GE
Center: KDET 102.3 GA: to 100.5 - A
Centerville: KAJG 105.9 NO-GE
Comanche: KOXZ 94.3 NO-RX
Corrigan: *** 100.1 PA: add class A
Cross Plains: *** 96.9 PA: add class C3
Denison: KIKM 101.7 GA: C1 to C, CL: Azle, TX
Devine: KSJL 92.5 CC (ex KTXX)
Dilley: *NS 98.9 NO-RX
Eagle Pass: KINL 92.7 NC to 20 kW, C3, XC: 28-43-57 / 100-29-34
Edna: KGUL 96.1 LC
Fort Worth: KTXQ 102.1 SG "Magic 102"
Franklin: KZTR 101.9 FC to modern AC / top 40 "B102" (Bryan)
Gainesville: KDOS 107.9 CC (ex KECS), NO-GE
Granbury: KDXT 106.7 inc. to 1338 ft, XG: 32-16-31 / 98-01-22
Gregory: KKPN 104.5 LC
Helotes: KONO 101.1 PC< 98 kW, 991 ft.
Hereford: KPAN 106.3 PC> 30 kW, C2
Huntsville: KUST 99.7 NW, country // KVST
Ingram: KTXI 90.1 NW, info & classical (with programming from KPAC and KSTX)
Jacksonville: KLJT 102.3 PA: from class A to C2
Jourdantown: KBOP 95.7 OSA to C3, 12.5 kW, 462 ft.
Killeen: KLNC 93.3 CC (ex KAJZ) "Lonestar Country" (Austin)
Leonard: *** 102.5 PA: add class A
Littelfield: KAIQ 95.5 NO-RE (5th)
Lubbock: KLLL 96.3 XG: 33-31-04 / 101-51-23
McCamey: KPBM 95.3 CC (NS), LC
Mineral Wells: K213CS 90.5 NS-250w: KCZO
Navasota: KMBV 92.5 FC to very broad AC (incl. The Knack, Hootie, Grand Funk, etc.) briefly, but then returned to JRN soft AC (&)
New Ulm: KMIA 92.3 NO-GE
Olney: *** 104.3 GA: ad class C2
Onley: KRZB 97.5 GA: move here from CL: Archer City, TX

Texas:

Rio Grande City: *** 95.1 PA: add class A
Roxton: *** 102.7 XA to add class A
Sterling City: KKCN 96.5 NW, a/c (San Angelo) "Power 96.5"
Tahoka: KMMX 100.3 XG: 33-26-31 / 101-52-40
Tyler: KDOK 92.1 CX CP for 1.6 kW, 449'

UTAH:

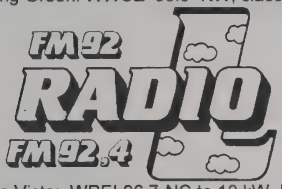
Spanish Fork: KOCY 106.5 PC> 45 kW, 2758 ft, C XC: 40-16-50 / 111-56-06

VERMONT:

Brandon: WEXP 101.5 NO-GE
Marlboro: WSSH 101.5 NC to 2.6 kW, 344' XC: 42-53-15 / 72-43-02
Vergennes: WXPS 96.7 PG< 1 kW, 797 ft., CL: Willsboro, NY, XG: 44-24-12 / 73-26-02
White River Jct: WWSH 95.3 CC (ex WKXE)

VIRGINIA:

Bowling Green: WWUZ 96.9 NW, classic hits



Buena Vista: WREL96.7 NC to 10 kW, B1, RE (10th)
Deltaville: WSRV 92.3 NW, oldies on Jan. 1st.
Dillwyn: WBNN 105.3 CC (ex WBCS)
Franklin: W217AY 91.3 NS-13w(v): WJYJ
Petersburg: WVST 91.3 NC to 2.2 kW, GE (4th)
Radford: WNRV 101.7 CC (ex WRIQ)
Richmond: WJRV 105.7 CX CP for 3 kW, 328 ft, XC: 37-30-11 / 77-30-08
Tappahannock: WRAR 105.5 FC to WW1 a/c (&)
Williamsburg: WKLR 96.5 inc. to 453 ft., CL: Ft. Lee, VA, XC: 37-20-22 / 77-24-31
Winsdor: WSVY 107.7 NC to 1.7 kW, 620', RE (3rd)

WASHINGTON:

Chehalis: *** 104.3 GA: add class A
Davenport: KKRS 97.3 NO-GE, CC (NS)
Iwalco: *NS 103.9 25 kW, 328 ft.
Moses Lake: K212DB 90.3 NS-250w(v): KAWZ-ID
Olympia: KRXY 94.5 noted on the air
Othello: K215CT 90.9 NS-145w(v): KOLU 90.1
Royal City: KRCW 96.3 CX CP for 800 w., OSA for C2, 19.5 kW, 790 ft, XG: 46-45-55 / 119-16-51
Seattle: KIRO 100.7 adds Howie Carr 12pm to 3pm (from WRKO Boston)
Spokane: KNJY 103.9 NC to 1417', XC, C2, GE (5th)
Wenatchee: K204DD 88.7 NS-100w: KLOV-FM
Wenatchee: K207CS 89.3 NS-20w: KAWZ-ID
Yakima: KYPL 91.1 NO-GE

WEST VIRGINIA:

Charleston: W212BD 90.3 NS-10w: KLOV-FM
Elkins: WBHZ 91.9 CC (NS)
Milton: WAMX 106.3 adds John Boy & Billy
Pocatalico: WRVZ 98.7 FC to ABC classic rock (&)
Romney: WDZN 100.1 FC to Disney children's (Cumberland)

West Virginia:

St.Albans: WKLC 105.1 adds Bob & Tom
Westover: WZST 100.9 CC (ex WMQC) "Star 100.9" (Morgantown)
Wheeling: W204BE 88.7 NS-10w(v): WPCS-FL

WISCONSIN:

Eau Claire: WVCF 90.5 PG< 900w, 312 ft.
Madison: WZEE 104.1 PC> 12 kW, 1004 ft.
Madison: WSUM 91.7 NO-GE (2nd)
Mauston: WRJC 92.1 PC> 200w, 571 ft.
Merrill: WMZK 104.1 PC> 24 kW, 617', C2
Portage: WBKY 95.9 NO-GX
Shawano: WOWN 99.3 adds JRN oldies (&)
Shell Lake: WGMO 95.3 FC to ABC standards & talk (&)
Sister Bay: WHDI 89.7 CC (ex WAQB)
Sturgeon Bay: WRGX 88.5 NW, contemp. Christian CC (ex WAZM) (Green Bay)
Whitehall: WHTL 102.3 FC to standards 6-9 am, 11-1 pm, 2-6 pm, ABC country otherwise (&)
Woodruff: W207BC 89.3 NS-170w: WRVM 102.7

WYOMING:

Afton: KUWA 91.3 NW, news,alt.,clas. // KUWR Laramie
Casper: KTRS 104.7 CC (ex KYOD), FC to modern AC "Kiss FM", PC. 18 kW, 1811', C1
Casper: KWYY 95.5 CC (ex KTRS), FC to cntry PC> 100 kW, 1870 ft.
Casper: KHOC 102.5 NW, hot AC (&) CC (ex KKRR), "Heart of Casper"
Casper: KMLD 97.3 PC> 18 kW, 1771 ft, C1
Diamondville: *NS 105.3 NO-RE
Green River: KFRZ 92.1 NW, WW1 country "Freeze"
Kemmerer: KAOX 107.3 NO-GE (2nd)
Laramie: K211DM 90.1 NS-250w(v): WPCS-FL
Midwest: KRVK 107.9 NW, classic rock "River"

N.MARIANNA ISLANDS:

Garapan: *NS 101.1 NO-RE

PUERTO RICO:

Aguadilla: WTPM 92.9 XC: 18-18-47 / 67-11-06
Juana Diaz: WCAD-2 105.7 NS-83w
Manati: WNRT 96.9 inc. to 951 ft.

CANADA

ALBERTA:

Lake Louise: *NS 93.9 30w, // CKIS 96.9
Peace River: *NS 102.1 8765w, // CKYL

BRITISH COLUMBIA:

Invermere: *NS 97.3 50w, // CKIS 96.9 AB

MANITOBA:

Winnipeg: *NS 95.9 450w, community radio

NEW BRUNSWICK:

Fredericton: CJPN 90.5 wants PG> 1.56 kW, XG

QUÉBEC:

St-Georges-de-Beauce: CHJM 99.7 CC (ex CIRO-FM), FC to French Hot AC
Trois-Pistoles: CIBM2 104.9 PG> 183 w.
Trois-Pistoles: CJFP4 ?? wants PG< 42 w.

SASKATCHEWAN:

Saskatoon: CKOM102.1 CC (ex CHSN), FC to gold-based AC "NTR"

PIRATE WATCH:

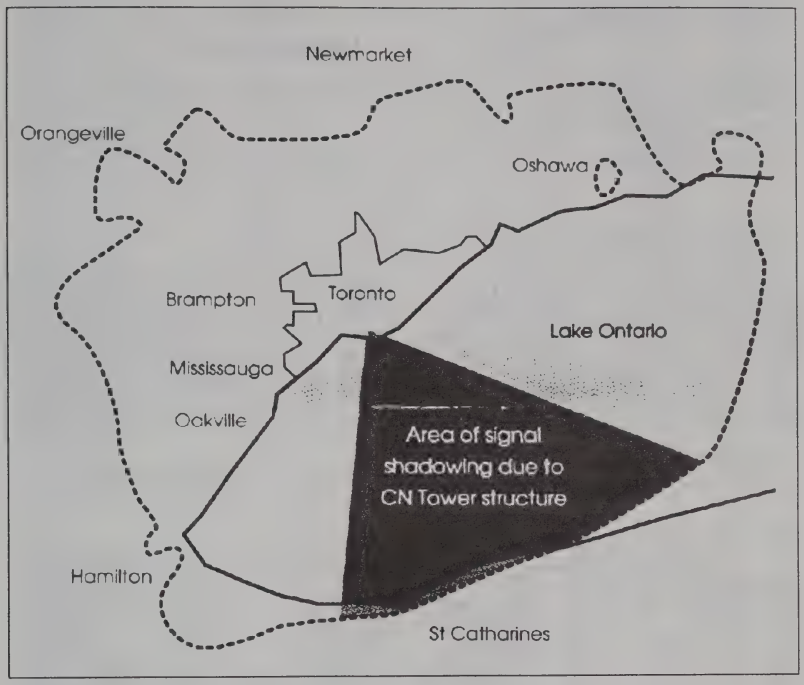
- **PITTSBURGH, PA.** The FCC, with cooperation from the FBI, closed down Mark Lange's "Radio Carson", which operated on 91.7.

- If you are an FM station that stays silent for too long, eventually the FCC will catch up to you. This month the Commission canceled licenses for KAGJ 89.5 Ephriam, Utah (Snow College), and KYDZ 90.1 Cody, Wyoming (Park County School District #6). Both stations had not broadcasted for twelve consecutive months.
- Thanks to Jeff Kitsko, and M Street, for the information on the 91.7 pirate in Pittsburgh. Jeff also mentions that WDRV 96.1 is burying their legal ID among background noise, and that "The River" can be heard on the web at http://www.bendermornings.com/happy.html
- Saul Chernos was kind enough to send along the July 1998 edition of *RADIO EXTRA "Canada's Newsletter on Digital Audio Broadcasting".* The publication contains frequencies and stations allocated to the new band in Vancouver, Montréal, and Toronto, which has appeared in earlier FM NEWS columns. What this also has, however, is expected coverage maps for the stations! I have scanned them in and they appear below

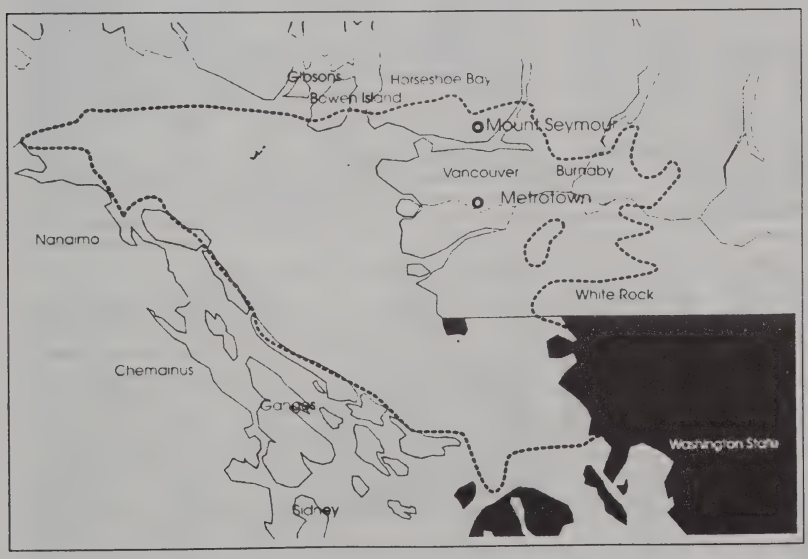
HAPPY HOLIDAYS! Greg

MONTRÉAL

TORONTO



VANCOUVER



TV NEWS

Douglas E. Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
w9wi@bellsouth.net

December 1998

*: Non-commercial station
nc: No Change
+/-: Channel offsets (plus,
z/n: minus, zero, and none)
^: Digital TV station

APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	Ht.	City	Applicant	Latitude	Longitude
CA	34^	200	419	Vallejo	KPST [66]	37-45-19	122-27-06
CO	*18^	1000	435	Denver	KRMA [6]	39-43-48	105-14-00
GA	50^	200	578	Bainbridge	WTLH [49]	30-40-51	83-58-21
KY	32^	906	492	Paducah	WPSD [6]	37-11-31	88-58-53
MI	*43^	200	318	Detroit	WTVS [56]	42-26-52	83-10-23
OR	27^	712	508	Portland	KOPB [10]	45-31-21	122-44-46
OR	33^	750	523	Salem	KWBP [32]	45-50-58	?????????

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St	Ch	ERP	Ht./ Call	City	Applicant	Latitude	Longitude
AZ	36^	819	534	Mesa	KPNX [12]	33-20-00	112-03-48
CA	40^	18.2	566	San Diego	KNSD [39]	32-41-48	116-56-06
CA	45^	206	446	S. Francisco	KBHK [44]	37-45-19	122-27-06
CT	10^	7.88	342	New Haven	WTNH [8]	41-25-22	72-57-06
DC	27^	75	177	Washington	WETA [26]	38-53-30	77-07-55
GA	27^	846	332	Atlanta	WAGA [5]	33-47-51	84-20-02
IN	9^	15.9	284	Indianapolis	WISH [8]	39-53-25	86-21-20
IN	25^	898	294	Indianapolis	WRTV [6]	39-53-58	86-12-02
MO	*18^	48	355	Kansas City	KCPT [19]	39-04-59	94-28-49
NC	34^	370	352	Charlotte	WSOC [9]	35-15-41	80-43-38
OH	10^	13.7	280	Cincinnati	WCPO [9]	39-07-30	84-29-56
PA	46^	50	293	Allentown	WFMZ [69]	40-33-52	75-26-24
PA	25^	727	311	Pittsburgh	KDKA [2]	40-29-38	80-01-09
PA	48^	501	289	Pittsburgh	WPXI [11]	40-27-48	80-00-16
WA	39^	603	230	Seattle	KIRO [7]	47-38-01	122-21-20
WA	13^	23.3	936	Spokane	KXLY [4]	47-55-18	117-06-48
WI	20^	50	453	Madison	WHA [21]	43-03-21	89-32-06

New-station permits expired, dismissed, etc.:

St	City	Ch	# permits	St	City	Ch	# permits
CA	Ramona	64	1	WV	Franklin	30	1
WA	**Walla Walla**	**9**	**1**				

APPLICATIONS TO CHANGE EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
AZ	**12-**	**nc**	**555**	**KPNX**	**Mesa**		
FL	14+	27.6		W14CI	Fort Myers		
IN	**23z**	**nc**	**294**	**WNDY-TV**	**Marion**		
LA	***13z**	**nc**	**nc**	**KLTM-TV**	**Monroe**	**32-11-50**	**92-04-14**
MN	**11-**	**nc**	**455**	**KARE**	**Minneapolis**		
MO	**5-**	**nc**	**327**	**KSDK**	**St. Louis**		
OR	***10z**	**nc**	**526**	**KOPB-TV**	**Portland**	**45-31-21**	**122-44-46**
OR	2n	0.06		K02NW	Reedsport	43-43-21	124-05-40
PA	**23-**	**700**	**nc**	**WATM-TV**	**Altoona**		
SC	43z	0.31		W43BS	Columbia	34-00-04	81-02-05

LPTV DISPLACEMENT APPLICATIONS

St	City	Call	Fm	To	St	City	Call	Fm	To
AL	Dothan	WJJN-LP	69	5z	NM	Gallina	K61BS	61	49+
AZ	Phoenix	K39BI	39	18z	NM	Gallup	K63BD	63	23+
CA	Indio	K63GG	63	8+	NM	Gallup	K67BP	67	46
CA	S.L. Obispo	KCCE-LP	20	50	NM	Santa Rosa	K74BO	74	30+
CO	Alamosa	K63AN	63	31+	NM	Tucumcari	K63BR	63	32
CO	Bayfield	K65CI	65	46+	NV	Las Vegas	K61GV	61	35z
CO	Carbondale	K22CE	22	38	NV	Reno	K25FX	25	30+
CO	Glenwood Sprs	K65CK	65	42	NY	Troy	WNGN-LP	26	51z
CO	Mt. Massive	K63ET	63	51	OK	Moore	K65GU	65	17z
CO	Woodland Park	K61GX	61	33+	OK	Tahlequah	K45ER	45	52z
FL	Fort Myers	WEVU-LP	7	4	OK	Tulsa	K65GY	65	51
FL	Orlando	W27BB	27	29-	OR	Florence	K60DQ	60	45-
GA	Hinesville	W39BV	39	41-	OR	Heppner	K63BS	63	28z
GA	Savannah	WGSA-LP	38	50z	OR	John Day	K68CB	68	26n
IN	Indianapolis	W53AV	53	65-	OR	Powers	K61EH	61	19z
KY	Corbin	W20AS	20	29	OR	Prineville	K68AE	68	16-
KY	Louisville	W08CT	8	66	OR	Tri-City	K19AD	19	22-
LA	Houma	K30EM	30	60+	SC	Spartanburg	W66CA	66	27
MA	Dennis	W67BA	67	33z	SD	Sioux Fls	K07UP	7	26z
MO	Columbia (1)	K29DM	29	53	TN	Chatt.	WYHB-LP	39	15
MO	Columbia	K61GQ	61	58	TX	Beaumont	K46CM	46	25z
MO	Columbia	K65GI	65	47z	TX	C. Christi	K13WD	13	12z
MO	Columbia (1)	K67GP	67	54z	TX	Laredo	K61GY	61	43+
NC	Asheville	W64CI	64	19-	TX	McAllen	K67HC	67	21z
NC	Roanoke Rpds.	WNVN-LP	20	69z	TX	Round Rock	KHPZ-LP	64	15z
NE	O'Neill	K34CU	34	43z	TX	San Antonio	K63GD	63	43
NM	Chama	K69CH	69	34z	TX	San Antonio	K68EI	68	51+
NM	Crownpoint	K65FJ	65	30-	UT	Ogden	KSVN-LP	21	49
NM	Datil	K68EG	68	48-	WA	Grays River	K31FB	31	17+
NM	Forrest	K61AF	61	31-	WI	Milwaukee	WMKE-LP	8	7+

(1) These stations have also applied to change their principal communities to "Washington & St. Louis", MO. (a move of about 200km)

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
AZ	34-	0.85		K34EE	Cottonwood		
CA	**31^**	**310**	**nc**	**KTLA-DT**	**Los Angeles**		
CO	33+	1.12		K33EW	Woodland Park	38-59-13	105-04-08
HI	***38+**	**206**	**573**	**KAIE**	**Honolulu**		
HI	***44z**	**206**	**573**	**KWBN**	**Honolulu**		
MA	**23^**	**100**	**332**	**WHSH-DT**	**Marlborough**		
MD	43-	1.3		W43BP	Cresaptown		
ND	46z	8.7		K46DY	Bismarck		
NE	**17z**	**3890**	**186**	**KTVG**	**Grand Island**	**40-43-44**	**98-34-13**
NM	35+	31.1		K35FC	Albuquerque		
OK	**47z**	**2500**	**482**	**KWHB**	**Tulsa**	**35-59-52**	**95-42-43**
OR	**24n**	**nc**	**nc**	**KNMT**	**Portland**	**45-30-58**	**122-43-56**
UT	**24z**	**nc**	**246**	**KAZG**	**Ogden**		
VA	**49-**	**5000**	**376**	**WPXV**	**Norfolk**	**36-48-31**	**76-30-13**
WI	**55z**	**nc**	**347**	**WFXS**	**Wittenberg**	**45-03-22**	**89-27-54**

The KNMT [24] change is for the auxiliary backup transmitter. The Honolulu changes are not typos - both stations have applied to change to the same power and HAAT. I strongly suspect these stations are under common control, though they do have different licensees. (both are non-commercial so could be legally commonly owned) W48CI has applied to change its principal community from Ft. Lauderdale, Florida to Miami.

CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
AZ	**45z**	**4530**	**nc**	**KUTP**	**Phoenix**		
CA	49+	7.34		K49DD	Sacramento	38-33-59	121-28-43
CA	53+	nc	nc	K53DO	Sacramento	38-38-53	121-05-51
CA	**8+**	**245**	**706**	**KSBW**	**Salinas**	**36-45-23**	**121-30-05**
FL	14+	27.6		W14CI	Fort Myers		
FL	**10+**	**nc**	**307**	**WPLG**	**Miami**		
FL	**35+**	**5010**	**nc**	**WOFL**	**Orlando**		
GA	**55+**	**nc**	**nc**	**WSST-TV**	**Cordele**	**31-53-35**	**83-48-18**
GA	**64-**	**1148**	**223**	**WGNM**	**Macon**	**32-45-51**	**83-33-32**
LA	***13z**	**nc**	**nc**	**KLTM-TV**	**Monroe**	**32-11-50**	**92-04-14**

CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
MB	7z	0.72		CBWIT	The Pas		
MI	**31+**	**2090**	**nc**	**WPXD**	**Ann Arbor**		
NV	19z	nc	nc	K19EC	Mapleton	(fm. 19n)	
OR	**34z**	**805**	**305**	**KLSR-TV**	**Eugene**	**44-00-04**	**123-06-44**
SC	**40z**	**5000**	**313**	**WFBC-TV**	**Anderson**		
SC	43z	0.31		W43BS	Columbia	34-00-04	81-02-05
TX	**32+**	**nc**	**nc**	**KTAB-TV**	**Abilene**	**32-16-38**	**99-35-51**
TX	**3-**	**nc**	**288**	**KIII**	**C. Christi**		
TX	**56z**	**4570**	**457**	**KETK-TV**	**Jacksonville**	**31-54-20**	**95-05-05**

WSST [55]'s and KTAB [32]'s changes are only corrections; the actual tower heights haven't changed.

LPTV DISPLACEMENTS GRANTED

St	City	Call	Fm	To	St	City	Call	Fm	To
AL	Selma	W24CK	52	24	MN	Park Rapids	K32EW	24	32
AZ	Chloride	K49EU	64	49z	MN	St. James	K30FN	32	30+
AZ	Flagstaff	K35FH	62	35+	MO	Lebanon	K64FQ	24	64-
AZ	L. Havasu C.	K47FQ	64	47+	MS	Biloxi	W35BM	29	35+
AZ	Miami	K41ER	63	41z	MT	Missoula	K32EU	40	32
AZ	Phoenix	K28FV	68	28-	NC	Durham	WIWW-LP	59	26z
CA	Indio	KDFX-LP	40	33	NM	Gallina	K36EY	65	36
CA	Merced	KMPH-LP	63	17+	NM	Lordsburg	K52FW	61	52+
CA	Stockton	K23EY	21	23z	NM	Portales	K30FM	62	30
CO	Fleming	K44FL	23	44	NM	Ruidoso	K49EW	61	49
CO	Grand Jctn.	K25FZ	16	25+	NM	Tierra Amarilla	K36EU	60	36
CO	Peetz	K20FS	21	20	NV	Hawthorne	K20FR	65	20
CO	Peetz	K26FM	54	26	NV	Walker Lake	K14JY	61	14
CO	Peetz	K28FW	56	28	OK	Tulsa	K29DZ	63	29
CO	Peetz	K30FO	58	30	OR	Cave Jctn.	K47FR	61	47
FL	Inglis	WYKE-LP	49	48	OR	Corvallis	K67HH	14	67-
FL	Panama City	W54CU	68	54z	OR	John Day	K02PK	8	2
FL	Tallahassee	W45BU	17	45z	OR	Portland	K35FG	62	35-
FL	Tallahassee	W56DV	51	56	OR	Redmond	K25GA	18	25-
GA	Augusta	W58CZ	65	58-	SD	Wagner	K50FH	55	50
GA	Hazlehurst	W56DU	63	56	TN	Memphis	W44BS	36	44-
GA	Savannah	W57CT	67	57+	TX	Fredericksbg	KHPF-LP	58	44z
IA	Cedar Rapids	K17ET	61	17z	TX	Midland	K40FJ	31	40+
IA	Waterloo	K44FK	65	44-	TX	San Angelo	K44FJ	19	44+
ID	Boise	K31FD	25	31n	TX	Texarkana	K41EQ	52	41-
IL	Alton	W50CH	57	50+	TX	Victoria	KCPV-LP	55	57-
IL	Bloomington	W51CT	64	51	TX	Wichita Fls	K44FI	24	44-
IL	Champaign	W58DA	34	58-	VA	Chesapeake	WITD-LP	65	23+
IL	Sterling	W48CK	61	48+	WA	Clarkston	K49EV	18	49
KS	Lawrence	KUJH-LP	14	45	WI	Bloomington	W22CI	49	22
MI	Kalamazoo	WOKZ-LP	38	50+	WI	Grantsburg	W24CL	39	24
MN	Alexandria	K67HI	40	67	WI	Green Bay	W49CB	68	49-
MN	Chandler	K22FL	31	22	WI	Ladysmith	W25CM	63	25-
MN	Chandler	K26FJ	61	26z	WI	Oshkosh	W17CF	34	17z
MN	Chandler	K38FK	63	38z	WI	Waupaca	W66DC	55	66-
MN	Donnelly	K47FS	63	47+	WV	Charleston	W56DT	53	56-

Changes/displacements expired, dismissed, etc.:

St	City	Ch	Call	St	City	Ch	Call
AL	Dothan	23	WJJN-LP <69	NM	Tucumcari	38	K67AI
CA	Redding	50	K34DF	NY	Ellenburg	49	W49BI
CA	San Diego	26	K25DU	NY	Troy	47	WNGN-LP <26
CA	Santa Barbara	41	K19DE	OK	Oklahoma City	21	K65GU
FL	Kissimmee	29	W27BB	TX	Beaumont	25	K46CM
MO	Columbia	43	K54FQ	TX	Corsicana	25	K25FW
NC	Asheville	19	W64CI	TX	McAllen	21	K67HC
NM	Crownpoint	30	K65FJ				

CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
CO	33+	1.12		K33EW	Woodland Park	38-59-13	105-04-08
IA	**20-**	**5000**	**441**	**KWKB**	**Iowa City**	**41-43-28**	**91-21-07**
MD	43-	1.3		W43BP	Cresaptown		
ND	46z	8.7		K46DY	Bismarck		
NM	35+	31.1		K35FC	Albuquerque		
PA	**64^**	**500**	**390**	**WPVI-DT**	**Philadelphia**		
TN	19-	7		W19BS	Jackson	35-42-25	88-44-34
TN	59-	6		W59DJ	Memphis		
TX	65+	22		KGBS-LP	Austin	30-19-10	97-48-06

CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
TX	**2+**	**nc**	**413**	**KBEJ**	**Fredericksbg.**	**30-08-13**	**98-36-35**
TX	31n	0.543		K31FA	Hillsboro		
TX	57n	7		K57FE	McAllen		
TX	65-	31.8		K65ES	San Antonio		
VT	**54+**	**9.05**		**W54CV**	**Barre**	**44-10-26**	**72-36-39**
WA	**33+**	**3690**	**717**	**KWPX**	**Bellevue**	**47-30-17**	**121-58-05**
WI	**46z**	**3090**	**280**	**WAZW**	**Antigo**	**45-03-33**	**89-26-10**
WI	16-	10.3		W16AY	Whiting		
WI	24-	11.2		W24BV	Whiting		
WI	40z	12.5		W40BC	Whiting		
WI	43+	12.7		W43BK	Whiting		
WI	62-	13.9		W62DA	Whiting	(xW36BP)	

W54CV moves from channel 63 (W63CG) at Burlington.

TECHNICAL CHANGES ON THE AIR

St	Ch	Call	City	What happened
CA	4-	K04NV	Red Bluff	power 194>200 watts, change from zero offset
DC	30z	WMDO-LP	Washington	move from ch. 48, power 35<20.7KW.
FL	**32z**	**WWWB**	**Lakeland**	**power 3020>5000KW, tower 271>332m, drop circular polarization**
FL	20-	W20AY	Melbourne	power 1.22>12.2KW
MA	**66z**	**WHSH-TV**	**Marlborough**	**tower 326>356m, move a few hundred meters west**
MI	59z	W59AZ	Rockford	power 1.74>2.31KW, move about 10km northwest, change from no offset, and city from Grand Rapids.
MN	21z	K21AK	Appleton	power 648>1,170 watts, move about 50km north-northwest, change from no offset, and city from Morris.
MN	**47-**	**KXLT-TV**	**Rochester**	**power 107>1000KW, tower 104>343m, move about 40km southwest.**
NC	52z	W52CW	Charlotte	move from channel 68 (W68BL), power 8.05<7.3KW, move about 18km northeast
NV	23+	K23CJ	Glendale	power 946>1,430 watts; correct coordinates
NY	51z	W51BA	Syracuse	power 13.1>21.8KW, move 3km west.
NY	26-	WNGN-LP	Troy	power 10<9.66KW, change from zero offset, move 20km west, city from Hoosick Falls.
OH	39+	W39CG	Cincinnati	move from ch. 35z (x-W35BA), power 10.4>18.6KW.
OR	46n	K46AS	Coos Bay	power 0.855>14.7KW, move a few hundred meters northwest.
OR	11-	K11SZ	Oakridge	power 69<34 watts, move 5km NW.
OR	33z	K33CJ	Wasco	power 600>1,060 watts, move 17km east-northeast, change from no offset
OR	41z	K41CL	Wasco	same as K33CJ.
PA	**8+**	**WGAL**	**Lancaster**	**power 112<110KW, tower 415>418m.**
TX	20-	K20BW	San Antonio	power 55.7>57.9KW, correct coordinates.

Victor Frank is seeing K30BI San Francisco on both channels 30 and 28. The signal on channel 28 is rather weak K30BI is being displaced by KQED-DT and has applied for channel 28 (with the same facilities currently in use on channel 30) but I have no record of this being granted.

NEW STATIONS ON THE AIR OR REQUESTING OPERATING LICENSE

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
CA	19+	10.0		K19DH	Indio	33-48-07	116-13-27
CA	53+	10.0		K53FL	Indio	33-48-07	116-13-27
CA	10z	0.162		K10OG	Lompoc	34-44-25	120-26-42
CA	17+	12.1		K17EF	Lompoc	34-44-25	120-26-42
CA	24+	10.0		K24DM	Oxnard	34-19-52	119-01-20
CA	24-	2.03		K24EJ	S. Luis Obispo	35-21-38	120-39-21

NEW STATIONS ON THE AIR OR REQUESTING OPERATING LICENSE

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
CT	28+	1.26		W28CA	Bridgeport	41-09-58	73-13-03
IA	43z	36.9		K43FB	Des Moines	41-35-21	93-32-17
NC	**30-**	**1820**	**539**	**WRAY-TV**	**Wilson**	35-49-53	78-08-50
ND	46z	9.52		K46DY	Bismarck	46-49-38	100-46-28
NM	25n	1.23		K25FI	Mora	35-57-39	105-21-13
OH	**40-**	**4170**	**174**	**WLMB**	**Toledo**	**41-44-41**	**84-01-06**
TX	69n	6.34		K69FW	Clear Lake	29-35-36	95-03-13
TX	57n	7.50		K57FE	McAllen	26-15-23	98-13-49
UT	39n	12.2		K39DH	Ogden	41-09-57	112-00-52
WY	44n	1.02		K44FA	Evanston	41-21-04	110-53-50

STATIONS DELETED/DISMISSED/OFF AIR/ETC.

St:	Call:	St:	Call:	St:	Call:	St:	Call:	St:	Call:
IA	K80AW	MO	K63FY	MS	W69DY	NE	K62FC	TX	K35EU
KS	**KWCV [33]**	MS	W58CV	ND	K41EK	TX	K30DN	TX	K40EX

K59GC Plainview, TX was not seen during a visit to that city.

CALL CHANGES

Was:	Now:	City:	Ch	Was:	Now:	City:	Ch
WSIT-LP	WKRP-LP	Washington, DC	42	W17AI	WDEM-LP	Columbus, OH	17
W32BM	WDMA-LP	Columbus, GA	32	**WWLF-TV**	**WOLF-TV**	**Hazleton, PA**	**56**
W53BR	WDTA-LP	Columbus, GA	53	**WWLF-DT**	**WOLF-DT**	**Hazleton, PA**	**9**
KAWJ	**KSCC**	**Hutchinson, KS**	***36**	**WOLF-TV**	**WSWB**	**Scranton, PA**	**38**
K65FV	KFAM-LP	Crowley, LA	65	**WOLF-DT**	**WSWB-DT**	**Scranton, PA**	**31**
KCWB	**KCWE**	**Kansas City, MO**	**29**	K07UP	KCPO-LP	Sioux Fls.,SD	7
W12CS	WPRQ-LP	Clarksdale, MS	12	**KAIO**	**KTLM**	**R Gde. C, TX**	**40**
K32AP	KCSI-LP	Windsor, ND	32	"Trans-Guide"	K54FA	San Antonio, TX	54
W18AL	WNDR-LP	Syracuse, NY	18	**NEW**	**WFXS**	**Wittenberg,WI**	**55**
W60BY	WMBO-LP	Syracuse, NY	60	**WKRP-TV**	**WLPX-TV**	**Charleston,WV**	**29**

The DTV call changes in Pennsylvania are assumed. This is the first time a call change has been granted to a NTSC station after its DTV permit was applied for.

PROGRAMMING CHANGES

Call:	Location:	Programming:
W15AZ	Alabaster, AL	sold to Birmingham religious school.
KJOI-LP [33]	Bakersfield, CA	VCC shopping.
K32EQ	Fresno, CA	new, A1 (America One); VCC shopping overnight. IDing as KMCF-LP which may be legal calls.
K20CS	Porterville, CA	Knowledge TV; PSN shopping overnight.
WBSV-TV [62]	**Venice, FL**	**Sold to Univision.**
K59FM	Iowa Falls, IA	from CNN Headline News to TV Land.
KNIN [9]	**Caldwell, ID**	**drops WB, now UPN only.**
K17ED	Payette, ID	new, 3ABN.
K65FV	Crowley, LA	relays KAJN-LP [40] Lafayette.
WKBD [50]	**Detroit, MI**	**drops Fox Kids, now UPN only.**
W68CH	Detroit, MI	AIN, some local urban programs.
WADL [38]	**Mt. Clemens, MI**	**adds Fox Kids.**
W11CF	Whitehall, MI	Outdoor Channel.
K45CA	C. Girardeau, MO	sold to WTCT [27], religious.
KMTF [10]	**Helena, MT**	**Fox? (saw "Fox 10 Helena" on .sig line of Boise engineer)**
KTEL-LP [15]	Albuquerque, NM	Telemundo.
K17DD	Albuquerque, NM	3ABN. (not KCHF [11])
KAZQ [32]	**Albuquerque, NM**	**INSP religion.**
K45DL	Albuquerque, NM	VCC. (not religion)
K48AM	Albuquerque, NM	Spanish, sometimes parallel KLUZ [41, Univision] but not 100%.
K59DB	Albuquerque, NM	Spanish music videos, continuous ID "KDBTV59 VIDEOS".
K50DY	Des Moines, NM	translator of KCIT [14], Fox/UPN.

PROGRAMMING CHANGES

Call:	Location:	Programming:
W51BA	Syracuse, NY	new, WPCB [40] (religion).
W23BP	Watertown, NY	PIN home shopping.
WBQZ-LP [34]	Watertown, NY	from Sci-Fi Channel to Bloomberg.
W39CG	Cincinnati, OH	America's Store (HSS).
WLMB [40]	**Toledo, OH**	**new, Pax.**
K42CC	Sioux Falls, SD	noted with test pattern.
KBNW-LP [44]	Sioux Falls, SD	noted with test pattern.
K53EG	Sioux Falls, SD	IDing as "KSCB", religious.
XHMTA [11]	**Matamoros, TM**	**from Azteca 7 to Azteca 13 (XHDF)**
XHOR [14]	**Matamoros, TM**	**from Azteca 13 to Azteca 7 (XHIMT)**
K35CG	Bovina, TX	translator of KCIT [14], Fox/UPN.
K25CQ	Childress, TX	translator of KCIT [14], Fox/UPN.
K57FE	McAllen, TX	new, "Praise TV" videos.
K44DA	Plainview, TX	Telemundo. (not KJTV)
K60BW	Quitaque, TX	translator of KCIT [14], Fox/UPN.
W48BI	Richmond, VA	sold to ValueVision.

OTHER STUFF & FORUM

Thanks to Bill Eckburg, Victor Frank, Frank Aden, Dennis Smith, John Ebeling, Fernando Garcia, Pat Dyer, Jeff Kadet, and Keith Smith for information appearing elsewhere in this month's column. Note the "fake calls" for the new Fox LPTVs in the Youngstown, Ohio market. (William Hepburn's ETVDX report, page 48 of the November *VUD*) W62BT is signing "WYFX", and W40AM as "WLFX". These call changes are not official. (at least not yet)

Fernando is seeing two new stations with unID color bars. He believes the one on channel 62 to be Ciudad Hidalgo, and the one on channel 64 to be from Sabinas Hidalgo. Both towns are in Nuevo Leon - the latter about 250km south of Laredo, Texas. (I can't find Ciudad Hidalgo on my map)

Jeff Kadet wondered why he'd never seen K80AW Dubuque, still listed in the FCC database. He emailed KWWL [7], K80AW's primary, and got an answer from their VP of Engineering Jim Ohmstede. Ohmstede wrote: "In 1979 KWWL and KCRG needed to relocated the receive/transmitting tower (I presume the translator tower-ds) and replace some very undependable equipment. It was determined that continued operation of the translators provided very little benefit and translator operation for both stations was discontinued." No translators of KCRG are listed in the FCC database. It looks like the FCC forgot to remove K80AW. Jeff also says new KFPX [39] is a pest on channel 45 at his location - K44AB Keokuk, Iowa picks up K38AB, and also puts out KFPX one channel up.

Dennis Smith has a bunch of good California LPTV info this month. He's also noting KADY [63] Ventura carrying news broadcasts produced by KEYT [3]. All "Key News" shows, whether airing on channel 3 or channel 63, are also simulcast on KEYT Radio, 1250AM. (formerly KTMS) On a similar vein, Dennis saw promotions for KJEO [47] newscasts airing on KGMC [43] Clovis/Fresno. Finally, on this subject, KSBY [6] has been promoting its news as available on 87.7 FM. Actually, all channel 6 TV stations can be heard on 87.75FM, if your radio will tune that low.

I visited New Mexico in mid-November. Don't move to Albuquerque if you enjoy VHF/UHF DX; the city is in a deep valley - and is surrounded by strong locals. I think I saw more local TV signals there than I do in Chicago! In Hobbs, KHFT [29] was not seen. KASY [50] is on cable there, and the KASY ID reads "Albuquerque - Hobbs" (they most certainly don't cover both cities with one transmitter!) but doesn't include the KHFT calls. On the other hand, I heard an ad for KASY on a Hobbs radio station, and it mentioned "UHF channel 29". By the way, KASA [2]'s radio ads in cities outside Albuquerque also include a brief voice-over of the local UHF (translator) and cable channels. Also in Hobbs, I saw a mystery KOAT [7] translator somewhere around channel 58.

John Ebeling sent an item about the possible shutdown of the Grand Marais, Minnesota translators. (K63BI/K65BJ/K67CT) I hope to have room to use it next month.

SATELLITE NEWS

GEORGE W JENSEN
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BALTIMORE MD 21206-4220

And now for the shortest column of the year. At least as of this writing - November 11th. It has certainly been a year of many changes and additional services with the coming of the compressed video of the 4DTV receiver. The only thing that could enliven things for the next column would be problems crested by the November Meteor Shower. We'll see next time. Now to the few changes.

Galaxy 1
24 - Golden Eagle Broadcasting - relegious
Morelos/Solidaridad - still confusion as to who is who here - 16 - Clara Vision strong
8 - feeds - including something called CNN Reforma
14 - feeds
13 - Teleton - now highly spor beamed away from me
Anik E2 - Ku
280 - CTV Sports Net - PPV
Spacenet 4
16 - Pax Net
Telstar 5 -
800 - BET On Jazz - International
970 - Adam and Eve
971 - Spice these were on Telstar 4
972 - Hot Spice
PanAmSat 5
702 - Mundo Ole
additional comp. dig channels have been added -
720 - 729 - unknown providers as yet..
Intelsat 8??
the Colombian feeds - comp. video 4DTV - are slowly being closed. e.g. - encrypted

And that folks - believe-it-or-not is it.
Have a Merry Christmas. Happy New Year, Happy Hannukah.

73's
George

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FM SCOREBOARD

DECEMBER 1998

FNAME	LNAME	LOCATION	TOTAL	88-92	ES	MS	AU	USA	DC+	DC	CN	MX	FO	TPU	YB	AS OF:	DATE
PAT	DYER	TX SAN ANTONIO	3037	471	2485	78	0	44	+	1	4	22	6	77	70	06/30/97	98
FRANK	MERRILL	IL MACOMB	2636	450	1181	10	8	48	+	1	8	8	3	68	85	02/20/96	96
KEITH	PUGH	AL NEW HOPE	2380	382	1324	108	18	47	+	1	7	14	6	75	83	12/28/95	96
GREG	CONIGLIO	NY WILLIAMSVILLE	2107	341	1112	18	32	41	+	1	8	2	5	57	85	02/08/98	98
ANDY	BOLIN	IL CHARLESTON	2059	331	799	103	286	45	+	1	7	5	3	61	61	09/04/81	81
DANNY	BUNTIN	OK STILLWATER	2051	346	1218	4	0	48	+	1	5	9	2	65	74	04/08/96	96
JOSEPH	FELA	NJ S. PLAINFIELD	2032	429	1123	2	10	38	+	1	6	0	3	48	68	05/19/98	98
JOHN	EBELING	MN BLOOMINGTON	1963	337	1085	58	89	48	+	1	7	5	0	61	52	01/01/98	98
MIKE	BUGAJ	CT ENFIELD	1941	259	1076	25	23	37	+	1	6	1	3	48	74	12/31/97	98
BRUCE	ELVING	MN ESKO-DULUTH	1845	348	1408	9	8	47	+	1	4	2	0	54	48	05/05/97	97
FRED	NORDQUIST	NY CLAY	1783	378	885	49	59	42	+	1	5	0	3	51	69	08/31/98	98
JOHN	EBELING	MN PROSIT	1685	340	1047	4	6	48	+	1	9	2	0	60	75	01/01/98	98
JOHN	ZONDLO	OK YUKON	1589	302	892	2	0	42	+	1	5	10	0	58	79	01/01/98	98
MIKE	HAWK	NE OMAHA	1589	312	866	30	0	47	+	1	6	4	0	58	91	07/30/95	95
RICHARD	SHAFTAN	NJ SPARTA	1558	227	737	27	0	38	+	1	6	0	1	47	78	06/11/98	98
DAVID	NIEMAN	NY AKRON	1512	409	467	53	27	43	+	1	8	0	3	55	59	11/07/93	93
BOB	SEYBOLD	NY DUNKIRK	1508	324	667	0	2	45		0	8	3	3	59	58	08/15/97	97
JOHN	JEFFERSON	CA DIABLO REGION	1377	310	786	182	1	30		0	4	7	0	41	74	01/01/97	97
BOB	SMOLAREK	NJ OLDWICK	1342	206	652	2	4	36	+	1	4	0	3	44	78	02/18/97	97
FRED	MCCORMACK	ND FARGO	1339	305	990	3	52	48	+	1	6	3	0	58	74	08/03/90	90
SAUL	CHERNOS	ON BURNT RIVER	1319	272	759	42	81	38	+	1	8	0	1	48	77	08/12/94	94
JIM	PIZZI	NM LOVINGTON	1313	185	1044	27	0	38		0	5	20	3	66	81	03/04/85	85
FRED	MCCORMACK	ND DES LACS	1110	145	803	26	87	44	+	1	6	4	0	55	65	04/09/88	88
DANIEL	OETTING	PA PHOENIXVILLE	1048	258	381	13	2	36	+	1	7	0	1	45	77	06/12/98	98
CARLON	HOWINGTON	FL ST PETERSBURG	1002					39	+	1			13	53	87	12/01/89	89
DAVID	NIEMAN	NY ROCK CITY	995	227	169	15	1	37	+	1	5	0	0	43	91	06/16/98	98
STEVEN	WISEBLOOD	TX BROWNSVILLE	852	183	381	5	0	32		0	0	9	7	48	92	07/13/94	94
RON	LEBLANC	LA MARRERO	843	129	452	2	0	39	+	1	3	5	6	54	71	11/29/77	77
ALAN	MICHALEK	MA SPRINGFIELD	812	106	495	0	0	36	+	1	5	0	0	42	52	10/01/90	90
D.BRUCE	HALL	ON BRANTFORD	800	132	153	106	2	40	+	1	6	1	3	51	90	07/20/94	94
GARY	SIEGEL	OH TOLEDO	800	171	180	0	0	33	+	1	6	2	1	43	76	04/20/97	97
RICHARD	STEINBERGER	MA HUDSON	797	175	345	13	6	35	+	1	5	0	0	41	58	12/31/97	98
ROBERT	ROSS	ON LONDON	760	214	308	0	0	34		0	7	0	2	43	76	07/27/92	92
JOHN	TUDENHAM	MO JOPLIN	759	134	192	1	0	43	+	1	3	2	0	49	91	07/10/96	96
JOHN	JEFFERSON	CA ANTIOCH	710	172	358	43	1	21		0	4	4	0	29	88	11/14/92	92
GEORGE	GREENE	OH AKRON	706	54	234	0	0	33	+	1	3	0	0	37	71	03/09/91	91
DOUG	SMITH	TN PLEASANT VIEW	701	140	164	0	0	35		0	4	9	3	51	94	07/04/98	98
BILL	NOLLMAN	CT NORWICH	686	83	294	20	0	35	+	1	5	0	0	41	81	11/04/88	88
MIKE	JEZIORSKI	FL CRESCENT BEACH	626	116	285	0	0	36	+	1	3	1	4	45	93	06/05/98	98
JEFF	KADET	IL MCCOMB	609	114	55	4	0	32	+	1	3	0	0	36	83	09/28/83	83
JOSEPH	SMITH	NY JOHNSON CITY	605	80	165	0	0	34	+	1	2	0	1	38	71	04/20/84	84
LARRY	MEADE	IL CHICAGO	459	85	85	6	0	23		0	2	0	0	25	79	09/05/92	92
JIM	AYERS	TN MURFREESBORO	448	73	18	1	0	27		0	1	1	0	29	81	02/12/94	94
ERIC	BUENEMAN	MO HAZELWOOD	420	61	115	0	0	38	+	1	3	1	0	43	92	08/31/98	98
SAUL	CHERNOS	ON TORONTO	399	103	82	0	0	21	+	1	1	0	0	23	77	08/12/94	94
PETER	GEORGE	MA STOUGHTON	394	94	149	20	2	36	+	1	5	0	0	42	67	07/05/95	95
GUS	MANCUSO	MD HYATTS	377	71	68	0	0	26	+	1	0	0	0	27	72	08/10/97	97
THOMAS	YINGLING	MD BALTIMORE *	360	54	144	1	0	33	+	1	4	0	1	39	71	12/26/86	86
WILLIAM	HEPBURN	ON BRAMPTON	309	183	83	1	6	21		0	2	0	1	24	85	11/10/91	91
PAUL	MOUNT	NJ MONMOUTH	307	48	21	0	0	20	+	1	0	0	0	21	90	08/24/92	95
JIM	RENFREW,	NY ROCHESTER	282	70	51	0	0	20	+	1	2	0	0	23	76	07/10/92	92
JIM	THOMAS	CO FORT COLLINS	261	35	129	8	0	24		0	3	1	0	28	89	02/10/96	96
ERIC	FADER	NY BAYSIDE	257	53	15	0	0	16	+	1	1	0	0	18	74	08/24/79	79
RONALD	PURDUE	MN BYRON	188	3	95	0	0	20	+	1	0	3	0	24	81	06/30/84	84
KEN	ONYSCHUK	IL STEGER	168	36	0	0	0	7		0	0	0	0	7	68	08/20/94	94
SHEL	REMINGTON	HI KEAAU	135	19	0	1	0	2		0	0	1	0	3	89	05/02/94	94
ROBERT	GRANT	MI DETRIOT	106	20	21	0	0	12		0	1	0	0	13	71	07/01/87	87

FM SCOREBOARD COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from Dxer's location (All loggings should be received within 25 mile radius of this location to count. Frequency changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz. ES = Total number of stations logged by E-skip. MS = Total by meteor scatter. Au = Total via Aurora. USA = Total number of states and the "+" = Washington DC. CN = Number of Canadian provinces logged. MX = Number of Mexican states logged. PO = Number of foreign countries, but not Canada/Mexico. TPU (Total number of political units) = Sum of USA CN MX and FO. YB = The year you began Dxing from a specific Dxers's location. Other groundrules for computing log totals are included in VUD issue 05/97. Note: Now is the time to update and submit your latest stats to keep up to date on the Scoreboard. Also submit any distance records, states stats and personal best statistics. Send via email (text or EXCEL files are okay) or by postal mail. Text files or hard copy printouts of personalized DX distances covering >6000 FM/TV city of licence locations in the Americas north of the equator, with choice of miles and/or kilometers, are available by email (no charge) or by postal mail ($2.00 donation to cover printing/postal expenses). Include your DX location and grid coordinates with your order. 73....Fred.

TV SCOREBOARD

FNAME	LNAME	LOCATION	TOTAL	UHF	LPTV	ES	MS	AU	USA	DC+	CN	MX	FO	TPU	YB	AS OF:	UPDATE
JEFF	KADET	IL MCCOMB	1668	1155	603	256	3	0	45	+	7	12	7	72	83	11/22/97	97
BOB	SEYBOLD	NY DUNKIRK	1406	818	242	224	30	6	49	+	7	3	5	65	50	08/15/97	97
FRANK	MERRILL	IL MACOMB	1390	887	393	247	21	0	45	+	7	12	3	68	85	02/20/96	96
WILLIAM	DRAEB	WI KEWAUNEE	1131	580	191	210	113	1	43	+	7	2	1	54	53	07/08/93	93
FERNANDO	GARCIA	NL MONTERREY	756	512	201	111	0	0	31		0	8	5	44	91	12/31/96	97
GARY	SIEGEL	OH TOLEDO	659	317	55	154	0	0	39	+	6	2	2	50	70	04/20/97	97
ROY	BARSTOW	MA TEATICKET	649	405	140	128	40	1	37	+	7	0	2	47	71	09/01/98	98
MIKE	LAPINSKI	NY JAMESTOWN	581	409	77	70	1	0	37	+	6	0	3	47	78	04/23/93	93
WILLIAM	HEPBURN	ON BRAMPTON	577	379	78	115	1	0	37	+	7	0	1	46	85	07/09/98	98
DAVID	NIEMAN	NY ROCK CITY	577	425	95	55	0	0	37	+	5	0	0	43	91	06/16/98	98
DAVID	NIEMAN	NY AKRON	556	366	77	90	5	0	37	+	7	0	0	45	84	03/01/94	94
RUSS	MILLER	ME N AMITY	537	288	123	112	86	0	33	+	7	0	3	44	94	01/01/98	98
DANNY	OGLETHORPE	LA SHREVEPORT	494	203	43	162	3	0	38	+	4	18	2	63	94	12/15/97	97
PAT	DYER	TX SAN ANTONIO	488	155	13	199	64	0	42	+	5	18	5	71	59	12/31/95	96
JEFF	KRUSZKA	LA BATON ROUGE	474	299	74	88	0	0	34		1	8	3	47	93	06/09/98	98
GREG	CONIGLIO	NY WILLIAMSVILLE	448	271	43	93	0	0	35		6	0	2	43	86	02/08/98	98
RICHARD	SHAFTAN	NJ SPARTA	426	222	40	122	0	0	37	+	6	0	1	45	81	06/06/98	98
FRED	NORDQUIST	NY CLAY	408	261	47	78	3	0	36	+	6	0	1	44	69	11/14/98	98
TOM	BRYANT	TN NASHVILLE	383	184	18	78	3	0	30		4	4	1	39	64	09/18/93	93
DOUG	SMITH	TN PLEASANT VIEW	341	233	38	37	1	0	34		2	2	1	34	94	07/04/98	98
ERIC	BUENEMAN	MO HAZELWOOD	262	197	12	34	0	0	28	+	4	1	0	33	92	08/31/98	98
CHRIS	HANLEY	IL GALESBURG	210	108	10	60	0	0	28		6	0	1	35	88	08/09/95	95
JOHN	JEFFERSON	CA ANTIOCH	206	106	-	75	1	0	16		4	4	0	24	74	01/01/97	97
BOB	SMOLAREK	NJ OLDWICK	166	116	15	20	0	0	25	+	0	0	0	26	85	01/01/94	94
RANDY	MILTIER	OR ASHLAND	126	38	2	70	2	0	16		3	3	0	22	69	06/29/97	97
DANNY	BUNTIN	OK STILLWATER	123	90	6	6	0	0	22		2	0	0	24	77	03/01/94	94
PAUL	MOUNT	NJ MONMOUTH	95	67	5	2	0	0	12	+	0	0	0	13	90	08/24/92	96
JIM	RENFREW,	NY ROCHESTER	92	35	4	34	0	0	17		3	0	0	20	89	04/01/93	93
RICHARD	STEINBERGER	MA HUDSON	91	51	5	6	0	0	14		1	0	0	15	60	12/31/97	98
MIKE	HAWK	NE OMAHA	82	48	7	5	0	0	11		2	0	0	13	91	07/29/95	95
SHEL	REMINGTON	HI KEAAU	11	2	2	0	0	0	1		0	1	0	2	93	05/02/94	94

TV STATISTICS AS OF: 11/15 STATES STATS

PU	# DXER		# DXER	PU	# DXER		# DXER	PU	# DXER		# DXER	PU	# DXER		# DXER
	USA				USA(CONT)				CANADA				MEXICO		
AL	54	JKA-	49 FGA-	MT	9	FME1	8 JKA-	AT	9	JKA-	3 FME1	AGU(AG)	1	DOG-	0 None
AK	0	None	0 None	NE	59	JKA-	43 FME1	BC	1	FWH-	1 RMI1	BCN(BN)	2	FGA-	2 PDY-
AZ	6	JKA-	5 PDY-	NV	3	FGA-	3 PDY-	MB	10	FME1	7 JKA-	BCS(BS)	2	PDY-	1 DOG-
AR	49	JKA-	26 FME1	NH	12	RBA-	11 RST1	NB	40	RMI2	11 RBA-	CAM(CE)	0	None	0 None
CA	55	RMI1	7 PDY-	NJ	22	RBA-	16 RSM-	NF	8	RBA-	6 WHE-	CHP(CH)	5	JKA-	2 FGA-
CO	25	JKA-	17 FME1	NM	5	JKA-	5 PDY-	NS	55	RMI2	31 RBA-	CHI(CI)	5	JKA-	4 FME1
CT	23	RBA-	12 RSM-	NY	96	DNI-	91 FNO-	ON	102	WHE-	84 DNI-	COA(CL)	10	FGA-	4 JKA-
DE	7	RBA-	5 RSM-	NC	42	RBA-	25 FGA-	PEI	31	RMI2	2 RBA-	COL(CY)	1	JKR1	0 None
FL	117	FGA-	20 DSM-	ND	10	JKA-	7 FME1	PQ	62	RMI2	19 DNI-	DF (DF)	2	PDY-	1 JKR1
GA	46	FGA-	39 JKA-	OH	89	JKA-	77 FME1	SK	17	FME1	16 JKA-	DUR(DU)	0	None	0 None
HI	10	SRE1	0 None	OK	61	JKA-	46 FME1	NT	2	WHE6	1 WHE7	GTO(GN)	1	JKA-	1 JKR1
ID	6	FME1	4 PDY-	OR	1	PDY-	1 RMI1	YT	0	None	0 None	GRO(GR)	3	FGA-	2 PDY-
IL	88	JKA-	81 FME1	PA	80	DNI1	58 WHE-					HGO(HD)	0	None	0 None
IN	72	JKA-	64 FME1	RI	8	RBA-	7 RMI2		FOREIGN(AMERICAS)			JAL(JA)	4	DOG-	1 PDY-
IA	80	JKA-	70 FME1	SC	23	FGA-	23 RBA-	CUBA	12	FGA-	7 FME1	MEX(MC)	0	None	0 None
KS	43	JKA-	38 FME1	SD	26	JKA-	24 FME1	D.REP	1	JKA-	1 FME1	MIC(MH)	0	None	0 None
KY	41	FME1	39 JKA-	TN	55	JKA-	46 FME1	EL SA	2	FGA-	2 PDY-	MOR(MR)	0	None	0 None
LA	70	JKR1	62 FGA-	TX	187	FGA-	122 DOG-	GUATE	1	FGA-	1 PDY-	NAY(NA)	0	None	0 None
ME	31	RMI2	24 RBA-	UT	4	JKA-	4 DOG-	HONDU	2	FGA-	0 None	NL (NL)	13	FGA-	6 PDY-
MD	16	RBA-	16 DNI1	VT	14	RBA-	10 RMI2	NICAR	1	PDY-	1 FGA-	OAX(OX)	2	PDY-	1 DOG-
MA	35	RBA-	29 RST1	VA	60	RBA-	19 DNI1	PUERT	1	JKA-	0 None	PUE(PU)	1	PDY-	1 JKR1
MI	82	JKA-	71 FME1	WA	4	JKA-	3 FME1	VENEZ	1	GCO-	1 RMI2	QUE(QT)	1	PDY-	1 FME1
MN	155	JKA-	73 FME1	WV	18	FME1	17 JKA-	TRINI	1	RMI2	0 None	QUI(QU)	1	JKA-	1 DOG-
MS	33	JKR1	31 FGA-	WI	67	JKA-	60 FME1	PR	2	RMI2	0 None	SLP(SL)	0	None	0 None
MO	75	JKA-	56 FME1	WY	4	JKA-	4 FME1		FOREIGN(OTHER)			SIN(SN)	2	DOG-	1 PDY-
				DC	13	GMA3	12 RBA-	AUSTR	1	JKA-	1 FME1	SON(SO)	3	PDY-	2 DOG-
								FRANC	1	WHE5	0 None	TAB(TB)	2	PDY-	1 DOG-
								NORWA	1	JKA-	0 None	TAM(TM)	24	FGA-	11 DOG-
								SWEDE	1	JKA-	0 None	TLA(TZ)	0	None	0 None
								UK	2	WHE5	0 None	VCZ(VZ)	4	PDY-	3 DOG-
								USSR	1	JKA-	0 None	YUC(YU)	5	FGA-	3 PDY-
												ZAC(ZA)	1	JKA-	1 JKR1

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) FROM A SPECIFIED DXER LOCATION. ONLY 1ST AND 2ND PLACE DXERS LISTED. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED....FJN.

FM STATISTICS
AS OF: 11/15

STATES STATS

PU	#	DXER	#	DXER
		USA		
AL	163	KPU-	60	JEB-
AK	11	JJE3	0	None
AZ	55	PDY-	39	JJE2
AR	66	JFE-	58	JTU-
CA	428	JJE2	143	PDY-
CO	85	KPU-	68	PDY-
CT	69	MBU-	43	JFE-
DE	21	DOE-	19	JFE-
FL	191	MJE-	190	FME1
GA	131	KPU-	125	PDY-
HI	29	SRE1	0	None
ID	30	PDY-	28	DBU-
IL	261	FME1	249	RST-
IN	247	RST-	132	DBR-
IA	129	JEB-	89	PDY-
KS	107	DBU-	102	JZO-
KY	144	RST-	85	PDY-
LA	80	JFE-	73	GCO-
ME	48	RST1	41	KPU-
MD	64	JFE-	56	DOE-
MA	108	RST1	96	MBU-
MI	183	RST-	139	FME-*
MN	243	JEB2	237	JEB-
MS	96	KPU-	69	JFE-
MO	169	FME1	134	JTU-

PU	#	DXER	#	DXER
		USA(CONT)		
MT	30	JJE2	28	JEB2
NE	80	MHA-	56	FME1
NV	30	PDY-	24	DBU-
NH	41	RST1	28	MBU-
NJ	93	JFE-	83	RSM-
NM	69	KPU-	55	RST-
NY	253	FNO-	201	RSH-
NC	94	PDY-	74	JEB-*
ND	34	FMC-	34	FMC2
OH	259	RST-	177	FME-
OK	146	JZO-	141	DBU-
OR	31	JPI-	29	FMC2
PA	198	DNI1	157	DOE-
RI	16	WNO-	16	RST1*
SC	78	PDY-	55	JEB2
SD	48	KPU-	41	PDY-
TN	165	KPU-	108	DSM1
TX	359	PDY-	260	RST-
UT	36	PDY-	25	FME1
VT	23	MBU-	20	KPU-
VA	75	JFE-	57	DOE-
WA	46	FMC2	13	JEB2
WV	68	GMA1	43	RST-
WI	144	JEB-	143	BEL2
WY	32	RST-	30	PDY-
DC	14	GMA-	13	DNI-*

PU	#	DXER	#	DXER
		CANADA		
AB	30	JJE2	30	JEB2
BC	20	JJE2	11	JEB2
MB	15	FMC-	13	FMC2
NB	11	FME1	9	RST1
NF	13	JFE-	13	DNI1*
NT	1	WHE2	1	JEB2
NS	15	FME1	13	RST1
ON	133	DNI-	131	GCO-
PEI	3	RST-	2	JFE-*
PQ	31	DNI-	29	GCO-
SK	12	FME1	10	JJE2
YT	0	None	0	None
		FOREIGN		
CUBA	6	RST-	6	KPU-
BELIZ	3	PDY-	3	KPU-
BERMU	3	DNI-	3	GCO-
EL SA	8	PDY-	4	SWI1
GUATE	23	PDY-	5	SWI1
HONDU	6	PDY-	5	SWI1
JAMAI	29	KPU-	0	None
PUERT	5	MJE-	0	None
D.REP	2	FME1	0	None
BAHAM	2	KPU-	1	DSM1*!
C.RIC	6	SWI1	1	PDY-
CAY I	3	KPU-	0	None

PU	#	DXER	#	DXER
		MEXICO		
AGU(AG)	1	JPI-	0	None
BCN(BN)	18	PDY-	10	FMC-
BCS(BS)	1	PDY-	1	JZO-
CAM(CE)	2	KPU-	1	SWI1
CHP(CH)	5	PDY-	0	None
CHI(CI)	13	FME1	9	MHA-
COA(CL)	12	KPU-	12	FME1
COL(CY)	0	None	0	None
DF (DF)	21	JPI-	20	PDY-
DUR(DU)	1	PDY-	0	None
GTO(GN)	9	JPI-	1	PDY-
GRO(GR)	8	PDY-	1	JPI-
HGO(HD)	1	JPI-	0	None
JAL(JA)	11	PDY-	0	None
MEX(MC)	4	PDY-	3	JPI-
MIC(MH)	3	JPI-	2	PDY-
MOR(MR)	5	PDY-	3	JPI-
NAY(NA)	1	PDY-	0	None
NL (NL)	20	SWI1	20	PDY-
OAX(OX)	1	JPI-	1	PDY-
PUE(PU)	6	PDY-	0	None
QUE(QT)	1	PDY-	0	None
QUI(QU)	0	None	0	None
SIN(SN)	3	JJE2	1	DBU-
SON(SO)	10	PDY-	8	JJE2
TAB(TB)	4	KPU-	2	PDY-
TAM(TM)	25	SWI1	21	KPU-
TLA(TZ)	1	KPU-	0	None
VCZ(VZ)	11	SWI1	9	JPI-
YUC(YU)	7	FME1	4	SWI1
ZAC(ZA)*	1	KPU-	1	DSM1

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) FROM A SPECIFIED DXER LOCATION. FIRST AND SECOND PLACE DXERS ARE LISTED ONLY.
* OTHERS THAT ARE TIED FOR SECOND ARE: MI: FME- RI: MBU- DC: DOE- NF: FNO- PEI: DOE- & JFE- BAHAM: FNO- ZAC(ZA): JZO- /// SORRY TO SEE FOLLOWING FORMER MEMBERS DROPPED: MATT SITTEL/DOUG ALLEN/GIL MORGAN/KEN SIMON/TIM MCVEY/RUSS BROWN.

FM STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES
11/15/1998

INIT	DXER NAME	DXER LOCATION		LAT DEG	NO.LONGWEST MIN	DEG	MIN
KPU-	KEITH D PUGH	AL	NEW HOPE	34	32	86	24
JJE3	JOHN M JEFFERSON	AK	ANCHORAGE	61	13	149	53
PDY-	PAT DYER	TX	SAN ANTONIO	29	28	98	36
JJE2	JOHN M JEFFERSON	CA	PLEASANTON	37	40	121	53
MBU-	MIKE BUGAJ	CT	ENFIELD	41	58	72	36
DOE-	DAN OETTING	PA	BROOMALL	39	59	75	22
FME1	FRANK MERRILL	IL	MACOMB	40	27	90	40
SRE1	SHEL REMINGTON	HI	KEAAU(FERN F	19	27	155	10
RST-	RALPH STROBEL	IN	MUNCIE	40	11	85	23
JEB-	JOHN EBELING	MN	BLOOMINGTON	44	50	93	19
DBU-	DANNY BUNTIN	OK	STILLWATER	36	7	97	4
JFE-	JOSEPH FELA	NJ	S PLAINFIELD	40	35	74	25
RST1	RICHARD STEINBERGER	MA	HUDSON	42	24	71	35
JEB2	JOHN EBELING	MN	PROSIT	47	0	92	37
JZO-	JOHN ZONDLO	OK	YUKON	35	30	97	45
GCO-	GREG CONIGLIO	NY	CHEEKTOWAGA	42	59	78	41
FME-	FRANK MERRILL	MI	MILAN	42	5	83	40
MHA-	MICHAEL HAWK	NE	OMAHA	41	31	96	3
FNO-	FRED NORDQUIST	NY	CLAY	43	8	76	8
FMC-	FRED MCCORMACK	ND	DES LACS	48	17	101	25
JPI-	JIM PIZZI	NM	LOVINGTON	32	57	103	21
DNI1	DAVID J NIEMAN	NY	ROCK CITY	42	1	78	28
WNO-	WILLIAM NNOLLMAN	CT	BOZRAH	41	20	72	36
FMC2	FRED MCCORMACK	ND	FARGO	46	52	96	48
GMA1	GUS MANCUSO	WV	BIRCH RIVER	38	30	80	47
GMA-	GUS MANCUSO	MD	CHEVERLY	38	55	76	55
RSM-	BOB SMOLAREK	NJ	HIGH BRIDGE	40	40	74	54
RSH-	RICHARD KSHAFTAN	NJ	SPARTA	41	0	74	38
DSM1	DOUGLAS ESMITH	TN	PLEASANT VIE	36	24	87	5
BEL2	BRUCE ELVING	MN	DULUTH	46	47	92	6
DNI-	DAVID J NIEMAN	NY	AKRON	42	58	78	32
WHE2	WILLIAM RHEPBURN	NT	CORAL HARBOR	64	8	83	10
MJE-	MIKE JEZIORSKI	FL	ST.AUGUSTINE	29	44	81	20
SWI1	STEVEN C WISEBLOOD	TX	BROWNSVILLE	25	54	97	30

TV STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES
11/15/1998

INIT	DXER NAME	DXER LOCATION		LAT DEG	NO.LONGWEST MIN	DEG	MIN
DNI-	DAVID J NIEMAN	NY	AKRON	42	58	78	32
DNI1	DAVID J NIEMAN	NY	ROCK CITY	42	1	78	28
DOG-	DANNY OGLETHORPE	LA	SHREVEPORT	32	24	93	46
DSM-	DOUGLAS ESMITH	WI	MADISON	43	5	89	22
FGA-	FERNANDO GARCIA	MEX	GUADALOUPE(N	25	41	100	15
FME1	FRANK MERRILL	IL	MACOMB	40	27	90	40
FNO-	FRED NORDQUIST	NY	CLAY	43	8	76	8
GCO-	GREG CONIGLIO	NY	CHEEKTOWAGA	42	59	78	41
GMA3	GUS MANCUSO	MD	HYATTSVILLE	38	56	76	56
JKA-	JEFF KADET	IL	MACOMB	40	27	90	40
JKR1	JEFF KRUSZKA	LA	BATON ROUGE	30	30	91	10
PDY-	PAT DYER	TX	SAN ANTONIO	29	28	98	36
RBA-	ROY BARSTOW	MA	TEATICKET	41	36	70	36
RMI1	RANDY MILTIER	CA	SAN JOSE	37	18	121	56
RMI2	RUSSELL MILLER	ME	AMITY	45	54	67	53
RSM-	BOB SMOLAREK	NJ	HIGH BRIDGE	40	40	74	54
RST1	RICHARD STEINBERGER	MA	HUDSON	42	24	71	35
SRE1	SHEL REMINGTON	HI	KEAAU(FERN F	19	27	155	10
WHE-	WILLIAM RHEPBURN	ON	BRAMPTON	43	40	79	46
WHE5	WILLIAM RHEPBURN	ON	NIAGARA FALL	43	5	79	6
WHE6	WILLIAM RHEPBURN	NT	FROBISHER BA	63	44	68	28
WHE7	WILLIAM RHEPBURN	NT	EUREKA	80	0	85	56

PHOTO-NEWS

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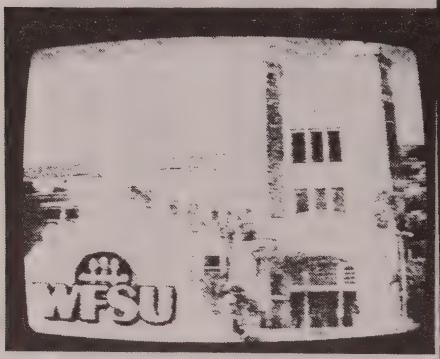
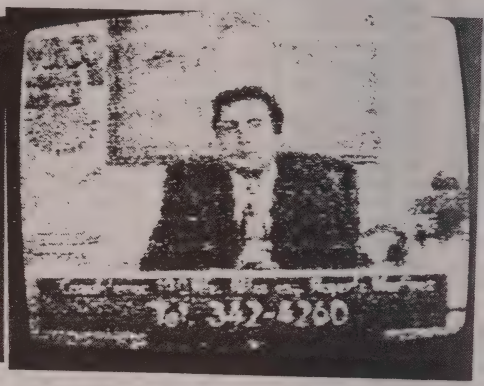
December 1998

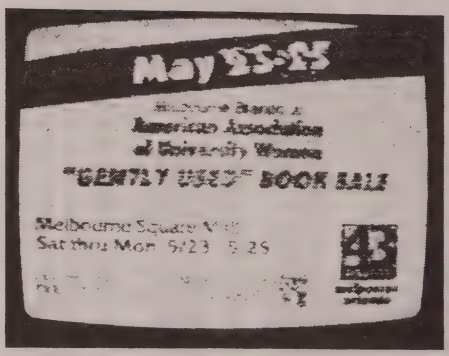
The last of Danny's photos from the month-long May opening (Danny Oglethorpe, Shreveport, LA):



WFSG-56 Panama City, FL
502 mi Tr seen 5/22/98
@2359 CT
"//WFSU-11"

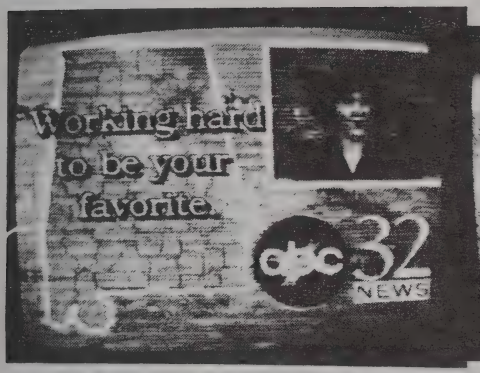


XHOR-14 Matamoros, TAM
503 mi Tr seen 5/22/98
"floating over KETH-14"

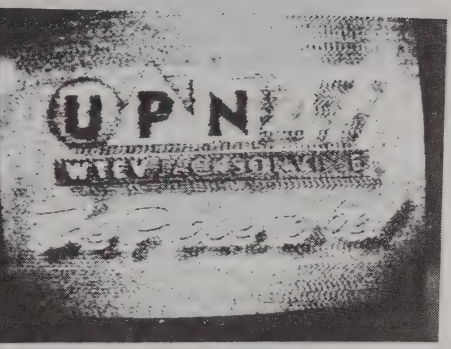


WBSF-43 Melbourne, FL
840 mi Tr seen 5/23/98
@0025 CT

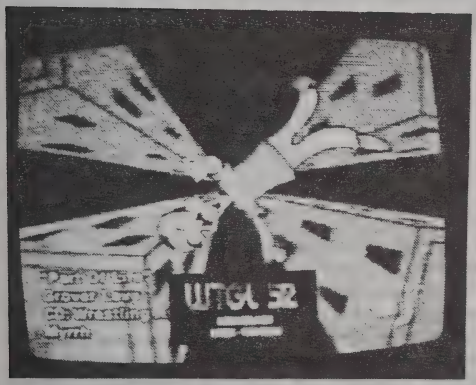
WFTX-36 Cape Coral, FL
818 mi Tr seen 5/23/98
@0230 CT



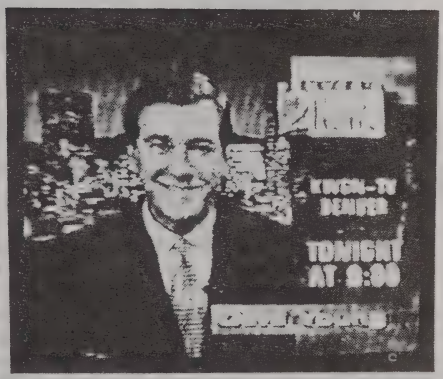
WHOA-32 Montgomery, AL
436 mi Tr seen 5/22/98
@0500 CT



WTEV-47 Jacksonville, FL
728 mi Tr seen 5/23/98
@0345 CT
"The Place to be!"



WTGL-52 Cocoa, FL
826 mi Tr seen 5/23/98
@0030 CT



KWGN-2 Denver, CO
806 mi Es seen 5/6/98
@1100 CT

Merry Dxmas to all! Jeff

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NORTHERN FM DX

EDITOR: GREG CONIGLIO
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CHEEKTOWAGA, NEW YORK 14227
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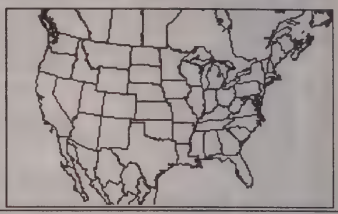
WEB: http://www.geocities.com/~wgrc

DECEMBER 1998



DEADLINE : The 5th of the month before publication
LOG CUTOFF: 4 months from postmark
COLUMN REPORTING AREA: See map to the right
(also includes Europe & Asia)

A few more reports from this summer's e-skip, and the fall trops. The autumn started out interestingly, with some good Tr openings, but conditions have leveled off lately. Still, some interesting conditions reported by several reporters this month. Thanks to all of you who supported NORTHERN FM DX in 1998. I look forward to hearing from all of you again in 1999, and maybe hear from some new reporters next year, as well.

HAPPY HOLIDAYS!

WELCOME NEW REPORTER!

STAN WEISBACK - 411 E. SINTO #203 - SPOKANE, WASHINGTON 99202

Equipment: Ford Probe Radio, GE Superradio II

JUNE 1998 DX

29 ES

1915 KTHQ 92.5 AZ Eagar, k
1940 KZUA 92.1 AZ Holbrook, "Z-92", ads for Holbrook and Show Low
2016 KRST 92.3 NM Albuquerque, k
2025 KFMR? 95.1 AZ? Family Radio prog.
2030 KWYK 94.9 NM Aztec, "Quick Radio"

SEPTEMBER 1998 DX

30 TR or GW

1630 KQRK 92.3 MT Ronan, "The Q"

OCTOBER 1998 DX

12 GW

1614 KULE 92.3 WA Eprhata, "Coulee Country", new freq., may still be testing

Hello! I'm glad you extended the deadline for summer reports because it finally convinced me to send in a report on the only FM Es I've ever received in this area in almost 30 years of trying. A couple of my co-workers told me of a DX opening after-the-fact back in about 1994 which made me more determined to hear one. I used to have a co-worker with a large TV antenna about 25 miles out of town and saw TV Es wit him (AZ,NV & CA on Ch.3, KPHO-AZ on Ch.5) about ten years ago until he moved into town. With local Chs. 2, 4, & 6 here (in fact I worked at KXLY-4 at the time) TV Es is very tough here. Times are in Eastern Daylight Time. I normally get groundwave (or perhaps tropo) from the stronger stations in-between the locals. Tri-cities (Pasco,Kennewick, & Richland), Walla Walla, Pullman in WA, Lewiston & Moscow in Idaho are in more often than not. We generally have very low humidity here which I understand inhibits tropo, unfortunately. I think I met you at the Atlanta WTFDA Convention last year (yes, I was there – grc), Greg. I wish I could have made it to the Rock City Convention this year, especially with all the DX received there, but it was too expensive for me to get there. I was lucky to be able to come to Atlanta last year. I hope you enjoy receiving my report as much as I enjoyed sending it. If I receive any more unusual DX I'll pass it along. (Definitely, Stan. Thanks for reporting, and we look forward to hearing about your second e-skip experience!! – grc)

COMING IN NEXT MONTH'S VUD: THE 1998 SKIP SUMMARY. SEE HOW THIS YEAR RATED IN COMPARISON TO OTHER RECENT SUMMERS!!

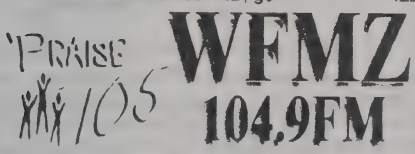
DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

Equipment: Carver TX-11 tuner; IF filter modified, Pioneer SX 650 receiver. Channel Master model 4408 (Stereo Probe 9) at 43 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz, Belden RG-11/u coax feed.
New loggings are underlined.

SEPTEMBER 1998 DX

26 tropo

1705 WFMZ 104.9 NC Hertford, "Praise-105"+ ID, g$ 422



27 tropo

0959 WBHV 103.1 PA State College, "The Beaver"+ ID, ex "B-103", r$ 89

1004 WRKZ 106.7 PA Hershey, ID+ "The new Kat Country", ex "Z-106", k$ 160

OCTOBER 1998 DX

4 tropo & Groundwave

0650 WNBQ 92.3 PA Mansfield, "The Buzz"+ ID // WNBT 104.5, rp$ 71

0900 W282AC 104.3 NY Dansville, WCOU 88.3 ID, g$ 54

1000 WJQZ 103.5 NY Wellsville, "Z-103.5"+ call, o$ (sate), ex "103-JQZ" & AC 29

1200 WBKT 95.3 NY Norwich, ID+"Big Kat Country", k$ 153

17 tropo

1000 WSGY 97.7 PA Somerset, "Frqggy-98" + ID, k$ 141

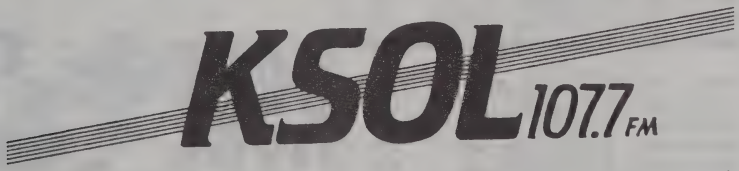
Dave

RICH GALLISON - 136 DYER RD - ATKINSON, MAINE 04426

JUNE 22, 1998 DX

0846 KRNA	94.1	IA	Iowa City, call letters
0855 WVPE	88.1	IN	Elkhart, "88.1 WVPE"
0900 WGLT	89.1	IL	Normal, calls
0900 WBNL	89.1	IN	Fort Wayne, calls, NPR
0901 unID	89.3		NPR
0917 WHMS	97.5	IL	Champaign "Lite Rock 97.5 it's 8:17"
0927 WYMG	100.5	IL	Jacksonville, calls
0934 WAZY	96.5	IN	Lafayette, calls & traffic
0937 unID	98.7	??	"Cool FM", also on AM but I didn't get the frequency

(All stations heard in $tereo) Been awhile since I last reported, about 4 or 5 years? FM dial is really getting cluttered around here, mostly country and religious stations. Sure wish WDME 103.1 would go QRT so I could hear new WZRQ 102.9, good rock station. Thank God for 107.7 WMDI and 93.9 WCYI (I really liked WCYY/WCYI on my trips to Maine – grc) Greg, why does Northern FM-DX banner have two Massachusetts (MA) and no Maine (ME) ??? (Well MA is twice as important as ME ha ha! Just kidding, I never noticed that! It should be cleared up now – grc) Best Wishes to all FM/TV DXers, Richard WA2CIQ (Rich, great to hear from you again! Hope to get another report soon! – grc)



HARRY J. HAYES - 9 HENRY STREET - WILKES-BARRE, PENNSYLVANIA

Equipment: GE Superradio w/110 kHz filter, 10 element Jerrold antenna in attic, RS amp. RS attenuator for overload, New Underlined

SEPTEMBER 1998 DX

3 Tr

0010	WMGK	102.9	PA	Philadelphia, good	100

16 Tr

2340	WTKV	105.5	NY	Oswego	135

17 Tr

0753	WDHI	100.3	NY	Delhi	100
0803	WYYY	94.5	NY	Syracuse	135
0807	WSRK	103.9	PA	Oneonta, over local translator	100
0821	CFLY	98.3	ON	Kingston, rr mx	190
0827	WODZ	96.1	NY	Rome, strong	150
0830	CJOJ	95.5	ON	Belleville, v/strong	220

It has been a disappointing fall for trops to say the least. It is now October 28th and there was nothing much of note to report in October. I just retired my Jerrold antenna in the attic, at least temporarily, in favor of an FM "stacked quad loop" that I built about 12 years ago. On the Jerrold I have been plagued lately with an electrical buzz from an unknown source all across the FM band, also my fax machine for my home business downstairs produces an odd sounding buzz in selected places on the dial. This problem is somewhat relieved when I move the electrical cord in different positions but the problem never completely goes away. Using the quad loop set-up right at my receiver, however, I eliminate the fax machine problem and the strange electrical buzz for the most part. Also without amplification to the loop I have picked up numerous MS bursts which I think attests to the effectiveness of this kind of antenna configuration for FM. Because I am using a smaller antenna I think that the reduction in overload from my numerous super-locals opens up my frequencies better for MS reception. You'd be surprised how a little overload can mask MS bursts! We'll see how this set up fares for MS and the upcoming E skip season in the next two months. Does anyone else have a problem with fax machines on FM?

CHARLES BERNTH - P.O. BOX 236 - EASTPORT, NEW YORK

Equipment: Adcom GTP-400 tuner, RS antenna
Internet: cbernth@banet.net

AUGUST 1998 DX

5 Tr

0644	WFXK	104.3	NC	Tarboro, Foxy 107-104	441
0707	WRVQ	94.5	VA	Richmond, Q-94	360
0711	WRSN	93.9	NC	Burlington, Sunny 93.9	491
0723	WERO	93.3	NC	Washington, calls	457
0755	WVES	99.3	VA	Accomac, calls	263
0759	WQRC	99.9	MA	Barnstable, calls	134
0831	WSDL	90.7	MD	Ocean City, calls	217
1004	WFCR	88.5	MA	Amherst, calls	106

5 Es

0856	WSMR	90.7	FL	Sarasota, calls	1098
0900	WQCS	88.9	FL	Ft Pierce, calls	1024
0901	WLAZ	88.7	FL	Clermont, calls	986
0905	WFCF	88.5	FL	St Augustine, calls	897

7 Tr

0827	WDAC	94.5	PA	Lancaster, calls	199
0834	WOCT	104.3	MD	Baltimore, The Colt	235
0851	WIYY	97.9	MD	Baltimore, 98-Rock	222
1020	WKYS	93.9	DC	Washington, Kiss 93.9	268

15 Es

1050	KSD	93.7	MO	St Louis, calls	950
1100	KSHE	94.7	MO	Crestwood, calls	950
1118	WYXY	93.9	IL	Lincoln, Y93.9	878
1127	WLRW	94.5	IL	Champaign, ads	821
1144	WFMB	104.5	IL	Springfield, ads	896
1155	KCFX	101.1	MO	Harrisonville, KC101	1159
1222	KHKI	97.3	IA	Des Moines, ads	1094
1227	WNIB	97.1	IL	Chicago, ads classical	778

AUGUST 15th Es continued

1233	WMT	96.5	IA	Cedar Rapids Mix 96-1/2	984
1241	KGGO	94.9	IA	Des Moines, calls	1079
1247	KKEZ	94.5	IA	Ft Dodge, Z-94	1115
1254	KRNA	94.1	IA	Iowa City, ads	995

15 Tr

1810	WYST	93.5	MA	Harwich Port Stereo 93.5	151

16 Tr

0925	WMJS	92.7	MD	Prince Frederick ads	264
0930	WRBS	95.1	MD	Baltimore, calls	238

Best Regards
Charles Bernth

SOUTHERN FM DX

Merry CHRISTMAS

John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
E-mail: Jpzondlo@aol.com
Deadline: 10th

For DXers In AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, TX, UT, WV and Mexico

December 1998

Luke Steele
437902 E 278 Rd.
Vinita, OK 74301
CDT

Radio Shack DX-390 with built-in whip antenna

6/1 Es			
1656 WOVK	98.9	WV	Wheeling, k, mention of "Wheeling-Shadyside"
1657 unID	98.9	??	??, o, "Oldies 98.9"
1703 WZMT	97.9	PA	Hazelton, "NE PA's 95.7-97-9 The Bear"
1709 WQKX	94.1	PA	Sunbury, r, "94-1 KX"
1723 unID	93.7	PA	??, ad for Sylvester Chevrolet and "NE PA's....."
1735 unID	92.5	??	??, ad for "Excel Honda, Q-92 Light Favorites"
1750 CHOM	97.7	PQ	Montreal, "97.7 FM Montreal"
1806 unID	93.7	??	??, "Eagle 93-7"
1808 WAMU	88.5	DC	Washington, "The World at 10 on WAMU"
1839 WBSS	97.3	NJ	Millville, t, giving 800 # ending in 1015
6/13 Es			
0932 KPCL	95.7	NM	Farmington, gt
0959 KNMI	88.9	NM	Farmington, g
1010 unid	90.7	??	??, mention of Chesapeake
6/28 Es			
1024 unID	105.3	??	??, "Q-105," Fox Kids Countdown
1029 WKNE	103.7	NH	Keene, "KNE-FM"
1043 WBBF	98.9	NY	Rochester, "Favorite Oldies All Weekend, 99 BBF"
1051 unID	96.9	??	??, 70s, ad for Pipes Unlimited
1056 WNED	94.5	NY	Buffalo, c
1115 CFLY	98.3	ON	Kingston, AC, "98-Fly FM"
1122 WFRY	97.5	NY	Watertown, k, "Froggy 97.5"
7/13 Es			
0917 WKSI	98.7	NC	Greensboro, "98-7 The Point"
0924 WHSL	100.3	NC	High Point, k, "Whistle 100"
0926 WTRG	100.7	NC	Raleigh
0928 WBZF	100.5	SC	Florence, p, "The PD's 100.5 The Buzz"
0928 WSSL	100.5	SC	Greenville, k
0934 unID	102.5	??	??, mention of "Trail(?) Winds" amusement park
0935 unID	102.1	??	??, k, "Q-102"
0935 unID	102.7	??	??, "Cool 102.7"
0936 WGNI	102.7	NC	Wilmington, "102.7 GNI"
0956 WXTU	92.5	PA	Philadelphia, k, "92 XTU"
1013 WCTK	98.1	RI	Providence, k, "Cat Country"
1018 unID	96.9	??	??, ad for a restaurant on Hall Road
1022 WQPW	95.7	GA	Valdosta
8/1 Tr			
0805 KKTZ	107.5	AR	Mountain Home, lake report, KGND off!
0808 KJLO	104.1	LA	Monroe, k, "K-104"
0838 KNOE	101.9	LA	Monroe, "FM 102"
0851 WMSI	102.9	MS	Jackson, k, "Miss 103"
0854 KXKZ	107.5	LA	Ruston, k, "Kix 107.5," KGND off
0902 KPCH	97.7	LA	Ruston, o, "K-Peach"
0905 unID	95.3	??	??, k, "Y-95 weather, Ouchita and....county's #1"
0934 unID	92.9	??	??, "The best of the 70's, 80s and 90s...Country 92.9"
0936 KNLU	91.1	LA	Monroe, p
0941 KEDM	90.3	LA	Monroe
0958 WMAU	88.9	MS	Bude
8/4 Tr			
1225 unID	104.1	??	??, o, "Oldies 104"
8/15 Es			
1518 WKSI	98.7	NC	Greensboro, "The Point"
1520 WDRP	98.9	NC	Windsor
1549 unID	94.9	??	??, "...on the Arrow."
1554 WWDE	101.1	VA	Hampton Roads, "2WDE"
1558 WBNK	100.7	VA	Christiansburg, p
1602 WWFG	99.9	MD	Salisbury, k, "Froggy 99.9"
1605 WQPO	100.7	VA	Harrisonburg, CHR, "Q-101"
8/20 Tr			
1031 KRXL	94.5	MO	Kirksville, "The X," KEMX off the air
2019 WSOY	102.9	IL	Decatur, "Y-103"
2052 WKXK	106.5	IL	Granite City, k, "Kix 106.5"
2101 KFUO	99.1	MO	St. Louis, c, "Classic 99"
2112 KYKY	98.1	MO	St. Louis, "Y-98"
2123 WIBI	91.1	IL	Carlinville
8/21 Tr			
2000 KFGE	98.1	NE	Lincoln, k, "Froggy 98"
2130 KFMZ	98.3	MO	Columbia, p
2136 WDBR	103.7	IL	Springfield
8/22 Tr			
2036 KETR	88.9	TX	Commerce, o, "The Mint"
2042 KKJO	105.1	MO	St. Joseph

JOY

Luke 2:10 And the angel said unto them, Fear not: for, behold, I bring you good tidings of great joy, which shall be to all people.
11 For unto you is born this day in the city of David a Saviour, which is Christ the Lord.

This Christmas, may you find the greatest joy, that of having Jesus in your heart!

Merry Christmas

The Zondlo family
John, Carol, Christy and Joel

EASTERN TV DX

Russell Miller
HC 61, Box 86B
N. Amity, ME 04471-9622
email address - estvdx@ainop.com

December, 1998

LOCAL TIME UNLESS OTHERWISE NOTED

Dave Nieman, Ho Sta Geh Rd, Rock City, NY 14749

Equipment: Teknika 6510 tuner into a Quasar 25" TV (MFG. 1977) plus an ICOM IC-R7000 TV receiver adapter. Channel Master 3617VHF antenna at 15 feet AGL, on a Radio Shack rotor, Belden RG-6 coax feed into a Winegard FT-7600 FM trap (set to trap 95.7 MHz) and winegard DA-205 distribution amp. antennacraft P-7 UHF antenna at 36 feet AGL on an alliance HD-73 rotor, Winegard PA-4975 preamp and Belden RG-aa/u coax feed.

All underlined loggings are new. Teknika for VHF and ICOM receiver for UHF reception.

October, 1998

17 Tr	0220	CHLF13	17	ON		270
	0230	W15BH (WNYB-26)	15	NY	Buffalo	63
	0300	WYDO	14	NC		450
	0900	CHRO	43	ON		273
	0930	CITY3	65	ON		264

This has been it for reception on the weekends for October down here. The new translator for WNYB (26) Jamestown, NY gets out well; it should be seen by many. Dave

---

Harry J. Hayes, 9 Henry St, Wilkes-Barre, PA 18702

Equipment: VHF: Ch. 2 and 5 switchable Quad loop, Radio Shack amp. UHF: 6ft. screened dish w/RDX Labs UA-901 amp. in attic and Zenith Sentry II, 1991 model

September, 1998

03 Tr	0030	WGBS "UPN-57"	57	PA	Philadelphia	100
16 Tr	2230	WUTR	20	NY	Utica, strong	150
	2239	WNYS	43	NY	Syracuse	135
	2315	WWTI strong	50	NY	Watertown	200
17 Tr	0009	WUHF	31	NY	Rochester	180
	0009	CIVO fair at times, FF	30	PQ	Hull	290
	0040	CFMTTV2 local ads	60	ON	Ottawa	280
	2240	WPMT	43	PA	York	110

October, 1998

24 Es	2050	unIDs	2-4

September 16 and 17, without doubt the highlight of this reporting period. 1998 is kind of a letdown year for trops, no really distant openings like in other years. The October 24 Es is only the third time in 29 years that I've seen that mode of Dx in that month.

Roy Barstow, P.O.Box 2488, Teaticket, MA 02536

October, 1998

18 Tr	0800	WTKR	3	VA		455
	0810	WVEC	13	VA		455
		WTVD	11	NC		591
		WUNP	36	NC		533
	0830	WUNJ	39	NS		660
		WYDO	14	NC		562
		WPDE	15	SC		688
		WNCN	17	NC		592
		W20AT	20	NC		533
		WCNC	36	NC		698
		W19BM	19	VA		450
		WRAZ	50	NC		600
	0900	W34AX	34	NC		550
		WRAY	30	NC		565
		W18BS	18	VA		450
		W24BI	24	VA		450
		WNCT	9	NC		565
		WITN	7	NC		565
	0930	WSFX	26	NC		660
		WUNU	31	NC		592
		W45BG	45	VA		456
		WLFL	22	NC		600
	1100	WEBA	14	SC		827
	1105	WCES	20	GA	T	
		PM Like Above +				
	2000	WJWB	17	FL		**990**
		WAWS	30	FL		**990**

Russell Miller, Amity, Maine 04471

October, 1998

12 Tr	1844	WWBI	27	NY		284
	1932	W14CK	14	VT		
		Video 27 UPN WWBI & Ch.14 Jay Peak				
	1948	CHCH	67	ON	Severn Falls	
	2000	WNPI(?) ID w/ WPBS (Watertown)	18	NY		355
13 Tr	1900	MD, VA, PA, NJ, etc				
18 Tr	0800	WVBT	43	VA		753
		WHRO	15	VA		
	0856	WHSP	65	NJ		
	0900	WNJU	47	NJ		

WESTERN TV-DX

Victor Frank
12450 Skyline Blvd.
Woodside, CA 94062-4554
e-mail frank@horizon.sri.com
(650)851-7031

December 1998

Welcome to a New Reporter:
Paul Mitschler, 1906 All American Road, Hanover, KS 66945; 785 337-2287 email Ldendron@msn.com

Equipment: Channel Master 1162 antenna @ 18', CM 0100 amp, and LXI 13" receiver.

August 1998 tropo CDT

20	0805	KRSC	35	OK Claremore
		KHBS	40	AR Ft. Smith
		KGLBt	44	OK Okmulgee
	0821	KOZK	21	MO Springfield
		KPOM	24	AR Ft. Smith
	2120	KDNL	30	MO St. Louis
		WICS	20	IL Springfield
		KOZJ	26	MO Joplin
		WRSPt	55	IL Springfield
	2148	WXIN	59	IN Indianapolis
		KNLJ	25	MO Jefferson City
		WICD	15	IL Champaign
		WLKY	32	KY Louisville
		WHSLt	46	IL East St. Louis
		WTVP	47	IL Peoria
			52	carrying WKYT-27
		KMIZ	17	MO Columbia
		KSPR	30	MO Springfield
			55	carrying TNT scrambled
28	0730	K56FC	56	NE Grand Island
30	1000	KCLJ	46	
	1056	KSNF	16	MO Joplin
		KHBS	40	AR Ft. Smith
31	1000	KCLJ	46	(also on 67)
			44,50, 52,54,59,63,65	All cable scrambled channels
			57	with TLC not scrambled
		K68DK	68	KS Overland Park

September 1998 tropo

02	0710	KSNF	16	MO Joplin
		KCDK	21	KS Dodge City
		KFAA	51	AR Rodgers AR
03	0847	KOCR	28	IA Cedar Rapids
		KCWB	29	MO Kansas City
		KHBS	40	AR Fort Smith
		K61GC	61	KS Wichita
04	0800	KWNB	6	NE Hayes Center
		KHGI	13	NE Kearney
	0807	K53EY	53	NE Omaha
		K56FC	56	NE Grand Island
		K58		Warner Brothers
		K60AK	60	IA Clarinda
07	0559	KMGH	7	CO Denver (snow free)
		KRMA	6	CO Denver
		KCEC	50	CO Denver Spanish
		KRMTt	41	CO Denver Religious
		KWHDt	53	CO Castle Rock Telethon
		K48AJ	48	CO Idalia (KCNC-4)
		K46AD	46	CO Idalia (KWGN-2)
		KPXC	59	CO Denver
		KWGN	2	CO Denver
		KSNK	8	KS Oberlin McCook NBC
		K63?		carrying Spanish programming
	0630	KLWY	27	WY Cheyenne FOX
		KKTUt	33	WY Cheyenne
		K66? and K69?		test pattern no id
		KGWN	5	WY Cheyenne
	0656	KUSA	9	CO Denver
		KKTV	11	CO Colorado Springs
		KTVD	20	CO Denver
	0709	KXRMt	21	CO Colorado Springs
	0738	KRDO	13	CO Colorado Springs
		KBDI	12	CO Broomfield
		KFCT	22	CO Ft. Collins
11	0445	K61GC	61	KS Wichita
		K64BS	64	KS Concordia (carrying KMBC 9)
		K17CI	17	NE Beatrice
		K15CN	15	KS Salina
	0509	K14HKt	14	KS Great Bend
		K21AP	21	KS Topeka
		K22CP	22	KS Salina
	0530	KMEG	14	IA Souix City
		K30BP	30	NE Norfolk
		K55FL	55	IA Spencer
	0537	K30CO	30	IA Storm Lake
	0845	WHWC	28	MN Winomi PBS
		KSMN	20	MN Worthington
		KXLT	47	MN Rochester
		WLAX	25	WI La Crosse
		WEUX	48	WI Chippewa Falls
16	0746	KRSC	35	OK Claremore
	0820	KGLB	44	OK Okmulgee
		KWHB	47	OK Bartelsville
25	0758	WOI	5	IA Ames
		KTAJ	16	MO St. Joseph
	0822	KUSD	2	SD Vermillion
		KSMN	20	MN Worthington
		K25AA	25	IA Rock Rapids (Iowa PBS)
	0839	KTIN	21	IA Ft. Dodge
		KYIN	24	IA Mason City
		K22CX	22	NE Lincoln
29	0636	K56FC	56	NE Grand Island
		KCAU	9	IA Sioux City
30	0834	All Kansas City UHF snowfree		
			35 and 48	show Value Vision

October 1998 tropo

01	1638	KSPR	33	MO Springfield
		KWHB	47	OK Tulsa
		KRSC	35	OK Claremore
		KOZJ	26	MO Joplin
		KNLJ	25	MO Jefferson City
	1700	KOZK	21	MO Springfield

Western TV DX *Paul Mitschler's report cont'd*

	KSNF	16	MO	Joplin
	KDEB	27	MO	Springfield
1744	KOAM	7	KS	Pittsburg
	KODE	12	MO	Joplin
1929	KCLJ	46		
	KFAA	51	AR	Rogers
2022	K20CT	20	AR	Springdale
	K52DH	52	MO	Springfield
	K48?	Value Vision	E	SE

This is my first report since relocating to Kansas. I have been amazed at the cochannel signals on the UHF band here. During the next few days I plan to put up my screened dish with rotor. It was great to see so much tropo from Colorado on Labor Day.

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

This report is for October 1998. There has been some change in the weather from summer to fall-winter conditions, but in between weather fronts, there was temporary return to stable air layering for some fair TV-FM coastal tropo between Santa Barbara and San Diego/Tijuana, up to 200 mi/320 km. Monitoring as usual was on indoor TV equipment and car radio FM.

01-4am: None (After none the day before)
04 eve: Poor
05 am Fair (Some inland warming & Santa Ana winds)
05 eve: None (Coastal warming; layers blown away)
06 am: Very poor (UHF only; no VHF-TV or FM)
06 eve: Poor (air layers return, "summer pattern
07 Fair coast cooling to mild, hot inland
08 Good
09 Poor (Cooling inland; unsettled--some layer instability)
12 Fair (out of town 10,11)
13 Poor
14 Very poor
15 None
16 am: Very poor
16 eve: Poor (except SDiego UHF good; no Tijuana UHF)
17 am: None
17 eve: Fair (Return to stable air layering)
18 am: Poor
18 eve: Fair
19 am: Fair (Moderate warming inland)
19 eve: Good
20-21 am: Good
21 eve: Very Good
22-24 am: Fair, deteriorating
24 eve: Poor (Stability ending; a little rain with Autumn/
25-26: None Winter weather front; overall cooling
27-28 am: Poor
28 eve: Fair
29-31 am: Variably none to very poor
31 eve: Fair

While in Wasco Oct. 10-12, a new Channel 32 was seen Oct. 10: KMCF-LP Fresno, A1 network, overnight VCC. Approx 80-100 miles. This is number 190 in my weatherbeaten reconstructed Wasco TV log. Best of DX to All. Dennis

---

William Eckberg, 1032 Sterling Rd., Dixon, IL 61021

October 1998		tropo				CDT/CST
09	2200	WUNF	33	NC		558
10	2220	WLFG	68	VA		487
	2230	WYMT	57	KY		449
	2300	WKPI	22	KY	Pikeville	461
11	0025	WVGV	59	WV	Lewisburg	542
	0130	KTXH	20	TX		893
	0140	KXLN	45	TX		919
	0230	KARD	14	LA		651
11	0245	KXNE	19	NE		402
	0305	WOIO	19	OH		401
	0315	WGMB	44	LA	Baton Rouge	784
	0435	KPOM	24	AR		513
		KVTJ	48	AR	Jonesboro	409
	0830	WLFG	68	VA		487
		WYMT	57	KY		449
24	0235	WUNF	33	NC		558
	0335	WYMT	57	KY		449
28	0600	KDSD	16	SD		509
	0610	KDLV	56	SD	Sioux Falls	383
	0625	KSAX	42	MN		404
	0700	K42CC	42	SD	Sioux Falls	383
		K44CW	44	SD	Sioux Falls	383
	0740	K59FM	59	IA	Iowa Falls	201
	0745	KSCB-LP	53	SD	Sioux Falls	383
	0810	K57GN	57	IA	Iowa Falls	201
29	0230	WYMT	57	KY		449
31	0135	KHNE	29	NE		464

Help was received on two mysteries. Minneapolis 9 on ch. 51 was 1.8 kW Jackson, MN. Fox programming on ch. 67 in Lima, OH was 19.5 kW WOHL-LP.

Interesting DX was seen in the early AM of October 11. Forty-five minutes centered on 0130 brought tropo to the east. (WV 542 mi), south (Rosenberg 919 mi), and west (norfolk 402 mi). DX was in for ten hours. A large stagnant air mass was centered over the central and southern US. Lewisburg WV was in for hours, and snowfree late. Houston UHFs were in 45 minutes with Spanish-speaking ch. 45 watchable.

Ashville 33 is seen more since their power increase, tower height increase, and polarization shift. WUNF-33 is seen late testing with their familiar UNC logo. An excellent early AM beacon station.

Mid AM on a rainy October 28 brought six new stations to the west. The new ch. 46, sat. of Mitchell SD-5, was snowfree from Sioux Falls. Surprised to see Sioux Falls 42 and 44 C/B very weakly for an hour. Power is 880 Watts and tower height is 141' for the former and 680 Watts and 118' for the latter. The ID KCSB was seen on ch. 53. K53EG in Sioux Falls is owned by Siouxland Christian Broadcasting. Which is their call? Much info on SD TV was found in CAble and TV

Western TV DX *Wm Eckberg's report concludes*

Factbook. Iowa Falls 59 is TV land and 57 appears to be a movie channel. No IDs as they are wireless. Other previously seen Iowa Falls channels were in.

Fernando Garcia, San Salvador 415, Rincon de la Sierra 67181 Cd Guadalupe, NL, MEXICO
Sony KV-27EXR15,Screened CM 7'dish 85',RG11, UA900 amp. Sony KV-13TR27,CM 1110 30',CM 8 bay UHF array 60' .

1800' ASL, No re-logs in the same month, only tropo 500+ miles.

October 1					CDT
0345	KADN	15	LA	Lafayette	586
October 3					
0800	KETK	56	TX	Jacksonville	532
	KXTX	39	TX	Dallas	518
	KDTX	58	TX	Dallas	518
October 4					
0700	KFWD	52	TX	Fort Worth	522
2200	KPXD	68	TX	Arlington	518
October 6					
0630	K57FE	57	TX	McAllen	130
	Continuous calls and city upper right. PRAISE TV at this time				
October 9					
0745	WUPL	54	LA	Slidell	705
	WLAE	32	LA	New Orleans	694
	WNOL	38	LA	New Orleans	694
	WLTZ	38	GA	Columbus	1036
	narrow duct into GA o/u WNOL				
0800	WGNO	26	LA	New Orleans	694
	WPXL	49	LA	New Orleans	688
0815	WPMI	15	AL	Mobile	838
0830	KLPB	24	LA	Lafayette	567
0845	WMAH	19	MS	Biloxi	770
	WHNO	20	LA	New Orleans	688
	WPAN	53	FL	Fort Walton B.	869
0915	WMGT	41	GA	Macon	1115
	WVLA	33	LA	Baton Rouge	633
	WLPB	27	LA	Baton Rouge	638
0930	WFSG	56	FL	Panama City	929
	I was lucky to have asked for three free days at work otherwise I would have never known of this morning opening.				
2000	KLAX	31	LA	Alexandria	618
	KLPA	25	LA	Alexandria	619
	$ and same main audio on SAP, it's new to LPB stations				
2130	WCFT	33	AL	Tuscaloosa	924
October 10					
0400	KASN	38	AR	Pine Bluff	772
	Shop at Home				
0700	KFXK	51	TX	Longview	557
	KYPX	42	AR	Little Rock	803
0715	KVTH	26	AR	Hot Springs	739
0730	K69HD	69	LA	Church Point	586
	KLAF-LP	62	LA	Opelousas	600
0930	KVHP	29	LA	Lake Charles	530
	KLTL	18	LA	Lake Charles	548
1630	KTFO	41	OK	Tulsa	766
	KWHB	47	OK	Tulsa	765
1645	KWMJ	53	OK	Tulsa	766
October 11					
0430	KHSX	49	TX	Irving	518
	KAMC	28	TX	Lubbock	553
	KBZO-LP	51	TX	Woodrow UNI	558
	strong 28, 51 color				
	unid ch 62 continuous Shop at Home, suspect K62DG Lubbock, seen until 10 AM				
0445	KPOM	24	AR	Fort Smith ID Bars	783
0500	KSPR	33	MO	Springfield	906
	KTVV-LPt	63	AR	Hot Springs Shop at Home	
	KDEB	27	MO	Springfield	905
0600	KCPN-LP	65	TX	Amarillo	677
	Shop at Home, later UPN 65				
	KPTB	16	TX	Lubbock	555
0615	K53FR	53	TX	Plainview	599
	KPCB	17	TX	Snyder	495
	KGLR-LP	40	TX	Lubbock Rel.	553
	K49BY	49	NM	Clovis	634
	US State #18 via tropo, long time waited for it. KRQE-TV ID Bars, programming at 7 AM.				
0645	K47EB	47	TX	Lamesa	498
	K41CA	41	TX	Kress KFDA-10	611
	K50ED	50	TX	McCamey	405
0800	KCIT	14	TX	Amarillo	677
	FOX, hard to get due to local T band activity.				
	K67EP	67	TX	Snyder CBS	495
	Great to have this opening to nw TX on weekend chs 16, 17, 47, 50, 53 were all with same pr. as KMLM-42 (PTCB) Odessa strong.				
	KCBD	11	TX	Lubbock	555
	KLBK	13	TX	Lubbock	554
	KTXT	5	TX	Lubbock	558
0930	KOZK	21	MO	Springfield	906
	KIDT-LP	43	TX	Stamford FOX	504
1000	KPSG	43	OK	Oklahoma City	706
1030	KWCVt	33	KS	Wichita	
	color, running rel. program with two phones numbers on screen one for Wichita area and the other for outside.				
1100	KPXE	50	MO	Kansas City	982
	KSMO	62	MO	Kansas City	986
	KCWB	29	MO	Kansas City	973
October 14					
0530	WEIQ	42	AL	Mobile	825
	WMPV	21	AL	Mobile	842
	WHBR	33	FL	Pensacola	838
0545	WMAU	17	MS	Bude	697
0600	WXTX	54	GA	Columbus	1037
	WXXV	25	MS	Gulfport	764
0615	WJSU	40	AL	Anniston	992
	WTJP	60	AL	Gadsden	998
0645	WFXL	31	GA	Albany	1066
	o/u DTV signal from KHOU-DT?				
	WGMB	44	LA	Baton Rouge	633
0700	K30EM	30	LA	Houma HTV	644
	WGIQ	43	AL	Louisville	987
	K59DG	59	LA	New Orleans TBN	688
1930	KMSS	33	LA	Shreveport	615
October 15					
0300	KDAF	33	TX	Dallas	518

Western TV DX *F. Garcia's report concludes*

	KTXA	21	TX	Fort Worth	518
0515	KUVN-LP	31	TX	Fort Worth UNI	521
	KLDT	55	TX	Lake Dallas	544
0530	KDFI	27	TX	Dallas	518
0545	KMPX	29	TX	Decatur	537
	KDOR	17	OK	Bartlesville	795
	rare o/T band activity				
0645	KOKH	25	OK	Oklahoma City	703
October 25					
0600	KJTV	34	TX	Lubbock	552
	local out for 30 minutes I noted this one with much better signal than KAMC-28, my local 34 should sign off more often, after all, they just run bars all night.				
October 29					
0800	WAIQ	26	AL	Montgomery	959
	WMCF	45	AL	Montgomery	965
1930	WIAT	42	AL	Birmingham	969
	WHOA	32	AL	Montgomery	928
	WCOV	20	AL	Montgomery	958
	WAPT	16	MS	Jackson	754
	narrow duct, strong.				
2030	unid bars ch 62, o/u KAKW suspect of application for Cd Anahuac, NL 115 miles north.				
2130	WSWS	66	AL	Opelika	1023
October 30					
0115	WIIQ	41	AL	Demopolis	877
0130	WATL	36	GA	Atlanta	1104
	WGNX	46	GA	Atlanta	1104
	WUPA	69	GA	Atlanta	1100
0530	WJSP	28	GA	Columbus	1057
	Local sign on at 5:45				
0600	WJTC	44	FL	Pensacola	842
0615	W50CF	50	AL	Mobile VCC	817
0700	WGBC	30	MS	Meridian	834
2000	unid bars ch 64 Laredo hdn, suspect of application for Sabinas Hidalgo, NL 60 miles n-ne.				
2100	WBHS	50	FL	Tampa	1116
	WTTA	38	FL	St. Petersburg	1116
	WFTX	36	FL	Cape Coral	1142
	WWWB	32	FL	Lakeland	1135
2130	WZVN	26	FL	Naples	1153
	Florida gone by 2230, 26 and 50 pick to color.				

This was the best of the month of October comparing to previous months of October for:

First time to get Missouri and New Mexico.
Best number of days for the month:
Alabama 8
Arkansas 4
Misssouri 3
New Mexico:1, first time ever.
Oklahoma 5
Texas(500+) 17
Other days with opening to at least 500 miles:5, 12, 13, 17,
23, 24, 26, 31.
73's Fernando

Mike Cherry, VE7SKA, Box 631, Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

November 1998		Es			GMT
10	0259	KWGN	2	CO	120°

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

September 1998		tropo				CDT
08	0721	WPXO	21	LA	continuous ID, upper left	190
23	2225	K19DM	19	LA	WBTR off air!	
					Floating over WMAH	95

October 1998		tropo				
02	2123	KAQY	11	LA	Color bars, ID on screen	125
11	1005	WNGM	34	GA	the Box	515
		WATL	36	GA	WB	455
	1129	WCIQ	7	AL	APT ID	375
12	2018	KSNF	16	MO	Full ID, "Joplin - Pittsburg"	495
	2259	KOED	11	OK	OETA ID	480
13	1949	KLRT	16	AR		305
		KASN	38	AR		270
14	2207	KSNF	16	MO	news, "KSN"	
					(twice in 2 days?!?)	495
	2230	KSBI	52	OK	ID on screen	505
16	2154	WTJP	60	AL	TBN	390
27	2244	WAWDt	58	FL	"Beach TV", Destin ads	

November 1998		tropo				CST
01	2245	WJSP	28	GA	GPTV	390
		WLTZ	38	GA	"NBC 38"	390

Not much to report. On the two nights I got KSNF-16, hardly anything else was coming in from that area. Strange.

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

August 1998		qw				UTC
29	0330	WPXO	21	LA	Minden	32

September 1998		Es on 1st, tropo rest				
01	1528	KGAN	2	IA	Cedar Rapids	672
03	0750	KNTS	17	LA	Natchitoches//27,55	59
		KAIN	55	LA		
23	1400	KAQY	11	LA	Columbia; ID bars	101

October 1998		tropo on 10th & 14th, Es rest				
10	0305	KCRG	9	IA	Cedar Rapids	672
	0755	KWWL	7	IA	Waterloo	702
	0810	KYTV	3	MO	Springfield, local off	335
	0950	WKBT	8	WI	Lacrosse; new tropo state	801
14	1535	KMBC	9	MO	Kansas City	464
20	1420	unID	2	ON	CTV	
	1429	CBFTt	2	PQ	SRC	
		WGRZ	2	NY	Buffalo	1091
	1440	unID	4	ON	CBC	
	1443	unID	3		Floater	
	1533	WJBK	2	MI	Detroit	904
	1544	CKCO2	2	ON	Wiarton	1103
	1720	KTWO	2	WY	Casper	996
26	1640	CKPR	2	ON	Thunder Bay; TBT	1130
	2330	WJBK	2	MI		904

Western TV DX

Victor Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4558

Equipment: 5' screened dish @ 25', 1765' AMSL. HD-73 rotor, Radio Shack preamp, Icom R-7100, TV-R7000.

KION-46 was duplicated in last month's report resulting in a total of 60 instead of 61 stations identified by various means. There were some omissions and are some new ones this month, and a bunch of unIDs.

August-November 98 Audio Only ID

Ch.	FreqMHz	CALL	kW	CA	City of License	km
15	481.73*	K15CX	19.9	Chico	ABC	283
25	537.2505	KBTV-LP	20.5	Sacramento	A1TV	158
53	709.75*	KAIL	2510	Fresno	UPN	261
59	741.2495	KMSG	1350	Sanger	TMD	261
61	753.2494	KPXF	2510	Porterville	PAX	338
62	763.75*	KGTN-LP	11.7	Placerville	TBN	184

* Audio carrier frequency ± 20 kHz

August-November 98 Call Letter Keyer ID Only

15	477.2622	K15CO	9.12	Porterville	338
22	519.2626	K22DD		San Jose	53

August-November 98 Misidentified or spurious?

23	525.2400	//KTNC-42	345°
24	531.2642	//KFTL-64	45°
28	555.2526	//K30BI (ID as KBI)	355°

Which brings my total IDs for this summer/fall to 68.

New Zealand Channel 1

The F2-layer MUF between Northern CA and New Zealand has reached greater than 45 MHz on numerous occasions during October and November. A number of radio amateur contacts have, in fact, taken place on the 50 MHz radio amateur band. Mostly this has been weak stuff, not good enough for ID of their audio on 50.750, and I have no reports of anyone getting a picture.

I have abstracted from reports by Bob Magnani, K6QXY, near Sebastapol, CA, of those times when he reported very strong reception of the New Zealand channel 1 video carriers, which are on 45.240 (strongest here), 45.250 (weakest here), and 45.260 MHz. Times and dates are UTC, formatted mmddhhmm.

10080001	ZL video	45.240, 45.260	S9+20dB
10082055	ZL video	45.240, 45.250, 45.260	S9
10252233	ZL video	45.240, 45.250, 45.260	S9
11032056	ZL video	45.240, 45.250, 45.260	vy strg
11072328	ZL video	45.240, 45.250, 45.260	strong

Postscript

Continuing our oft-interrupted comments of Doug Smith's answers to my questions in June 98 VUD.

How about non-broadcast TV?

There doesn't seem to be a huge amount of interest. There have been some reports of **radio** STLs in the VUD, though I believe that ended up in the now-defunct PSB column. There never was much interest. This stuff is pretty hard to DX because of the narrow beamwidths used, and the intermittent mobile nature of remote truck transmissions. (Sometimes it's hard for us at the stations to receive the remote trucks, even though we know where they are, they're pointing their antennas at us, and our receive antenna is 750' in the air!) Still, it would make for some interesting DXing if someone were to give it a try! Do double-check the regulations first; seems to me the ECPA covers remote pickups, which would mean it's now technically illegal to DX these!

There are additional identifying parts of a TV transmission... (VBI IDs, SAP). Is reception of any one of these alone sufficient?

If it serves to positively identify what you're receiving, yes. You are receiving signals transmitted by the TV station being claimed, and you're receiving them on the same frequency as they're using to broadcast to the general public.

Call letter identification is becoming a thing of the past in all radio services, except the amateur service. We're weird, being so proud of those funny number-letter combinations! Call letters will probably stick around to provide a way for the FCC to keep track of who's where (a key field for their databases), but I would be not at all surprised to see the legal ID regulations dropped for DTV and digital radio stations. Other forms of identification--quite likely, as part of the datastream--will take its place. If we want to keep DXing, we'll have to accept these other methods.

Now is the time to start, before most of the UHF channels are swallowed by digital and high definition TV.

QRM will certainly be getting worse on the UHF band. But in most parts of the country, there's still plenty of open space. I don't think DTV is going to make DXing impossible. I find Fernando Garcia's tentative report of WSB-DT [39] Atlanta especially interesting. Having seen some of these Fernando's UHF DX photos, I have no doubt many of these stations would have yielded a usable digital signal. Of Danny Oglethorpe's E-skip photos in the May VUD, I think KVVU-5 and WTAE-4 would have probably yielded usable DTV signals. And yes, there will be DTV on low-band VHF.

Prepared by Tom Bryant
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Nashville, TN 37221-2607
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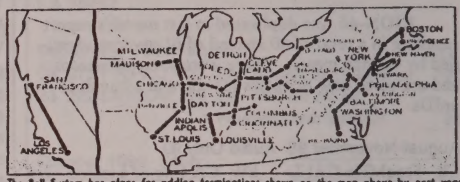
Eleven cities are now served by co-axial cables. Three more are connected to net by relays.



The Bell System has plans for adding terminations shown on the map above by next year.

TV - 50 YEARS AGO

(Condensed from an article by Will Baltin, Secretary-Treasurer of the Television Broadcasters Association, which appeared in the March 1949 *"Radio Electronics"* magazine. The demand for TV was amazing. Those lucky enough to live in areas with stations wanted more, everyone else simply *WANTED!*)

Television ... the wonder baby of 1948...has outgrown its infant britches and is now a gangling adolescent, rampaging across the U. S. Even the highly optimistic prophets, who a year ago predicted this with an air of caution, are surprised by the actuality. Television has thrust its way into virtually every populous section of the country. 46,000,000 are now within reach of television service. By the end of 1949 an additional 25,000,000 will be able to have television.

Television went through many years of struggle and disappointment to achieve the stature of public acceptance.

Even twelve months ago it was almost wholly confined to a handful of communities. The number of television receivers owned by the public numbered less than 200,000. Only 16 television stations were tossing images from batwing to dipole in January, 1948, and these stations were scattered along the eastern seaboard, in limited areas of the midwest, and in one city of the west coast.

This was the calm before the television storm of 1948. Shortly thereafter, TV manufacturers began to work up steam on their production lines. Receivers, which in 1947 had been moving out of factories into stores at the rate of 10,000 or less a month, suddenly began to stream forward in a steady, unbroken flow.

The steady flow of TV sets became a gusher in January, 1948. In that month alone, 30,000 sets were turned out. By the end of 1948 receivers were coming off production lines at better than 130,000 a month.

At the start of 1949 television programs were being received in 26 of the nation's leading market areas. At the beginning of the year there were 51 stations on the air and at least 73 more were under construction. A total of well over 100 television stations in the U.S. by the end of this year (1949) is foreseen.

While television stations mushroomed across the country at an incredible rate, another service essential to the commercial well-being of the new industry was keeping pace... the installation of facilities for network telecasting.

The American Telephone and Telegraph Company, which pioneered in network services for radio, has also pioneered in television networking with great success. Two methods of program transmission are available: one the co-axial or concentric cable, and the other the microwave or radio relay.

Fourteen months ago the only network facilities available in the United States extended between New York City and Washing- ton, D.C,. Then, AT&T opened its first radio relay (microwave) link between Boston and New York ... seven towers that beam programs in either direction.

By June, 1948, when the Republican National Convention opened in Philadelphia, AT&T had again extended its network route, opening a coaxial cable between Washington and Richmond, VA.

Another historic milestone was marked in networking when, early in October of 1948, the Bell System made available a network route extending from Buffalo to Cleveland, Toledo, Detroit, Chicago, Milwaukee and St. Louis. Early this year one of the great achievements in the history of television was effected when, on January 11, the AT&T drove another "golden spike" to link the East and the Midwest. Telecasts marking the linking of the above cities to New York, Philadelphia, Boston, Pittsburgh, Baltimore, Washington and Richmond in a 14-city network took place.

Most of the cities on the Eastern-to-Midwestern network are connected by co-axial cable, but three cities are linked by microwave relay. One group of relays connects New York City to Boston; another links Detroit with Cleveland; and a third interconnects Chicago with Milwaukee.

Before the end of 1950, AT&T plans to provide additional facilities to extend television network service between the following cities: Los Angeles and San Francisco; Milwaukee and Madison; Buffalo and Rochester; Toledo and Dayton, Columbus and Cincinnati; as well as Indianapolis and Louisville.

Other connections include Boston and Providence; New York and New Haven; and links from Philadelphia to Lancaster, York, Reading, Harrisburg, Johnstown, and Pittsburgh along with Akron, Youngstown, and Wilmington.

Until co-axial cable and microwave relay facilities can be extended further, many cities with television service will be dependent upon a third method of connection; the kinescope or *Teletranscription* system. All of the present operating networks (NBC, CBS, ABC, and DuMont) have equipment for recording on film from the face of a cathode-ray picture tube. These programs are delivered by air or rail to stations not yet linked to the live network microwave or co-axial cable feeds. Among cities using kinescopes are Los Angeles, San Francisco, New Orleans, Atlanta, Memphis, Houston and Seattle.

J. R. Poppele, president of the Television Broadcasters Association forecasts there will be 134 stations on the air by the end of 1949, 235 by the end of 1950, and about 335 by the end of 1951. He predicts the great rural areas of the nation will receive their television programs from transmitters which will tap into the national network links. These stations would not originate local programming, at least initially.

Wayne Coy, chairman of the FCC foresees 1,000 TV stations operating by 1955.

(Note: In addition to the stations listed on the map below, WAGA-tv and WSB-TV (channel 8) in Atlanta, and WTVJ in Miami were also operating at the time this article was published in 1949.)

WORLDWIDE TV-FM DX ASSOCIATION
PO BOX 501 - SOMERSVILLE, CT 06072

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS
MEMBER

BUFFALO NY 142
PM
8 DEC
1995

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